GD880 Series
High Performance Engineering Drive

Contents

Corporate introduction

Shenzhen INVT Electric Co., Ltd. (INVT for short, stock code: 002334) was founded in 2002, focusing on the fields of industrial automation and energy power. It was listed on Shenzhen Stock Exchange (SZSE) and issued A shares in 2010. Adhering to the core values of "Achieve customers, performance orientation, open and win-win cooperation, struggle and innovation" and with the mission of making every effort to offer most valuable products and services to strengthen customer competitiveness, INVT provides differentiated and specialized industry solutions, customized technical services, global localization operations, and digital management models to global customers.

Core competitiveness

Company scale: INVT has 4 large bases of production and research, 15 holding subsidiaries, and over 5000 employees.

R&D capability: INVT is a national key high-tech enterprise in China's Torch Program and a drafting unit for the national standard of low-voltage VFDs. It has established a strict quality management system and passed CNAS certification. The R&D testing laboratory has been awarded the Acceptance of Client Testing (ACT) accreditation by TUV-SUD in Germany, and the main products are CE-compliant. INVT has also been recognized as the National Enterprise Technology Center, and Guangdong Engineering Technology Research Center, and has undertaken a number of national, provincial and municipal science and technology projects. By the end of 2023, INVT has 1538 patents and 283 computer software copyrights.

Marketing and service network: INVT has set up dozens of branches and hundreds of joint warranty centers around the world, and has established strong cooperative relationships with many domestic and international channel partners. This comprehensive sales and service network enables INVT to respond quickly to global market demands and provide immediate technical support and quality after-sales service.

Business segments

Industrial automation: Offering VFDs, servo systems, motors, controllers, human-machine interfaces, sensors, elevator drive systems, industrial internet, and other products and integrated solutions, which are widely used in compressors, cranes, solar pumps, printing and packaging machinery, 3C electronics, lithium-ion battery equipment, semiconductor equipment, offshore equipment, iron and steel, petroleum, chemical industry, and other fields.

Network power: Offering micro module data centers, power supply and distribution products, intelligent temperature control products, intelligent monitoring products, and integrated solutions, which are widely used in cloud data centers, finance, communication, medical, energy, and other fields.

New energy vehicle: Offering comprehensive products such as main motor controllers, auxiliary motor controllers, vehicle controllers, and onboard power supplies, covering the full range of solutions for commercial vehicles and passenger cars.

PV energy storage: Offering grid-tie inverters, energy storage inverters, off-grid inverters, monitoring accessories, which have been applied in many scenarios at home and abroad.

Product introduction

The GD880 series High performance engineering drive is divided into two topological forms: single drive and multi drive, and is a transmission product positioned for high-end applications.The product is modular designed based on the DFX concept and adopts advanced control algorithms. It has excellent speed and torque control performance, high reliability, high power density, convenient installation, debugging, maintenance, and comprehensive protection.

- Excellent speed and torque control performance
- Modular design, as flexible as building blocks, making project integration simple and efficient
- Long-life component selection and fast fault recovery design to ensure efficient process control
- Ergonomic design to make installation and maintenance easier
- Enriched expansion capability to support various protection options

Application fields

Metallurgy

High speed bar and strip hot rolling equipment, wide and thick plate equipment, cold rolling host, pickling line, annealing line, galvanizing line, color coating line, non-ferrous metal manufacturing, rolling equipment, diaphragm pump.

Building materials

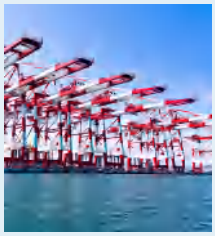
Support for and technical renovation of large-scale equipment such as rotary kilns, ball mills, belt conveyors, and crushers.

Petroleum

Heavy petroleum equipment such as fully electric drilling rigs, energy storage and repair rigs, electric drive transformation of large petroleum machinery equipment, oilfield water injection equipment, fracturing prys, and sand mixing prys.

Marine

Shore based power supply, ship main side thrusters, anchor winches, shaft generators, DC networking system, and ship auxiliary equipment.



Port hoisting

Quayside crane, tire crane, rail crane, ship unloader, gantry crane, belt conveyor, large shipbuilding gantry crane, large metallurgical casting crane.

Testing

Battery simulator, engine testing platform, motor testing platform, and new energy vehicle testing system.

Papermaking

Joint equipment for paper copying, including production lines such as pulp box, mesh section, pressing section, drying section, gluing, hard calendering, coating, super calendering machine, and rewinding machine.

Others

Technical renovation and supporting application of equipment such as centrifuges, textile equipment, shield tunneling machines, grinders, and electric shovels.

Technical data

Item		Specifications
Basic rectifier	Input voltage	4: 380- 440VAC 3PH ±10%, -15%<1min 6: 520- 690VAC 3PH ±10%, -15%<1min
	Input frequency	47-63Hz
	Output voltage	Input voltage * 1.35
	Overload capacity	Light overload: 110% of I_{LD} for 1 min every 5 min Heavy overload: 150% of I_{HD} for 1 min every 5 min
	Work efficiency	⩾98%
	Power factor	⩾0.95 (Basically at rated current)
Regenerative rectifier	Input voltage	4: 380- 440VAC 3PH ±10%, -15%<1min 6: 520- 690VAC 3PH ±10%, -15%<1min
	Input frequency	47-63Hz
	Output voltage	Input voltage * 1.3 – Input voltage *1.4
	Overload capacity	Light overload: 110% of I_{LD} for 1 min every 5 min Heavy overload: 150% of I_{HD} for 1 min every 5 min
	Work efficiency	⩾98%
	Power factor	⩾0.95 (Basically at rated current)
Active rectifier	Input voltage	4: 380- 440VAC 3PH ±10%, -15%<1min 6: 520- 690VAC 3PH ±10%, -15%<1min
	Input frequency	47-63Hz
	Output voltage	4: 1.5 * Input voltage- 720V; 6: 1.5 * Input voltage- 1080V
	Overload capacity	Light overload: 110% of I_{LD} for 1 min every 5 min Heavy overload: 150% of I_{HD} for 1 min every 5 min
	Work efficiency	⩾97%
	Power factor	⩾0.99 (Basically at rated current)
	THD	THDI < 5% (at rated power) THDU<5% (Rsc>20)
Inverter	Input voltage	4: 510- 720VDC 6: 700- 1035VDC
	Output frequency	0-400Hz
	Output voltage	0-0.7 * VDC
	Overload capacity	Light overload: 110% of I_{LD} for 1 min every 5 min Heavy overload: 150% of I_{HD} for 1 min every 5 min
	Work efficiency	⩾98.5%
	Control method	V/F; SVC; FVC
	Motor type	Permanent magnetic synchronous motor; asynchronous motor; linear motor
	Starting torque	FVC: 0Hz/200%; SVC: 0.25Hz/150%
	Accuracy at stable speed	FVC: ±0.01%; SVC: ±0.1%
	Speed fluctuation	FVC: ± 0.02%; SVC: ± 0.3%
	Dynamic speed decrease	FVC: 0.3%*s- 0.5%*s, SVC: 0.1%*s- 0.3%*s (@100% torque step)
	Speed regulation ratio	V/F: 1:50; SVC 1:200; FVC: 1:1000
	Torque accuracy	FVC: ≤3%; SVC: ≤5%
	Torque response	FVC: <5ms; SVC: <10ms
Environment condition	Working temperature	-10°C - +50°C; Derating is required when the ambient temperature exceeds 40°C
	Relative humidity	5%- 95%, no condensation
	Installation altitude	Below 1000m (Derating is required when the altitude exceeds 1000m Derate by 1% for every increase of 100m.)
Mechanical data	Anti-vibration performance	Compliant CLASS 3M4 in EN60721-3-3 100m/s 11ms
	IP rating	For the module: IP00 For the cabinet: IP20
	Safety performance	Compliant with EN 61800-5-1
	Cooling	Forced air cooling

Product features

Highly reliable

● Selection of long lifetime components to ensure quality from the source and stable running of equipment.

Selection of long lifetime components

Quality ensured from the source


Fans

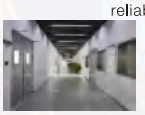

Capacitors


IGBT


Labs

● A comprehensive testing and validation system ensures that products undergo multiple verifications and tests from design to factory, ensuring their reliability from the source.

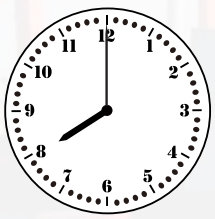
Device lab Compliance lab Mechanical reliability lab



Environmental reliability lab EMC lab Drive performance lab Mechanical reliability lab

● Independent air duct and thickened imported conformal coating provide dual protection, meeting IEC60721-3 3C3 environmental requirements. The corrosion resistance in scenarios such as high humidity, high salt spray, and corrosive gases is significantly improved.

● Built in real-time clock function for more accurate fault information.



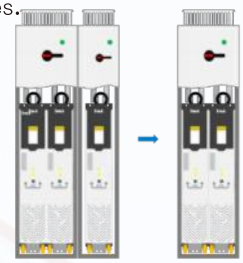
● Standard storage card for quick and convenient parameter backup.

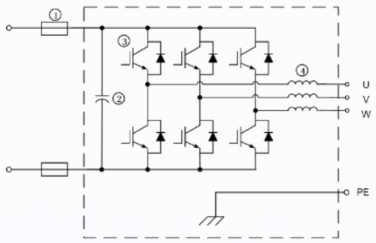
● Fault classification Users can define 10 faults, which can be grouped and handled by severity, including shielding a fault without processing, alarming but keeping running, decelerating to stop, and coasting to stop, so as to reduce unnecessary downtime and ensure continuous operation of equipment.

Fault severity 1	Shield the fault
Fault severity 2	Alarm but keep running
Fault severity 3	Decelerate to stop
Fault severity 4	Coast to stop

● Derating due to faults

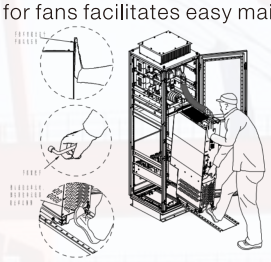
Independent three-phase power unit design ensures the system can be derated to keep running in case of unit failure so as to minimize shutdown losses.

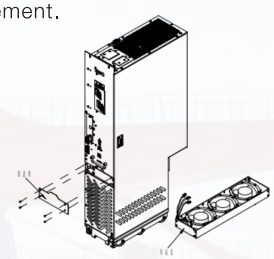




● The A8i unit adopts a quick plug connection and has built-in rollers at the bottom so that it can be directly pushed into the cabinet. The unit can be disassembled or assembled without removing the motor cable.

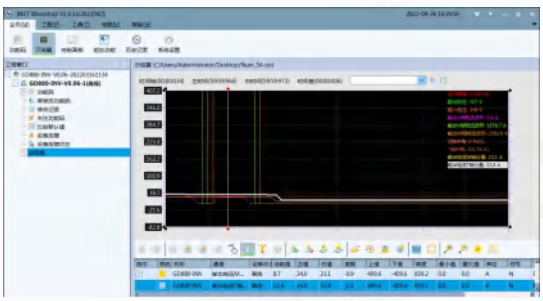
The drawer design for fans facilitates easy maintenance and replacement.





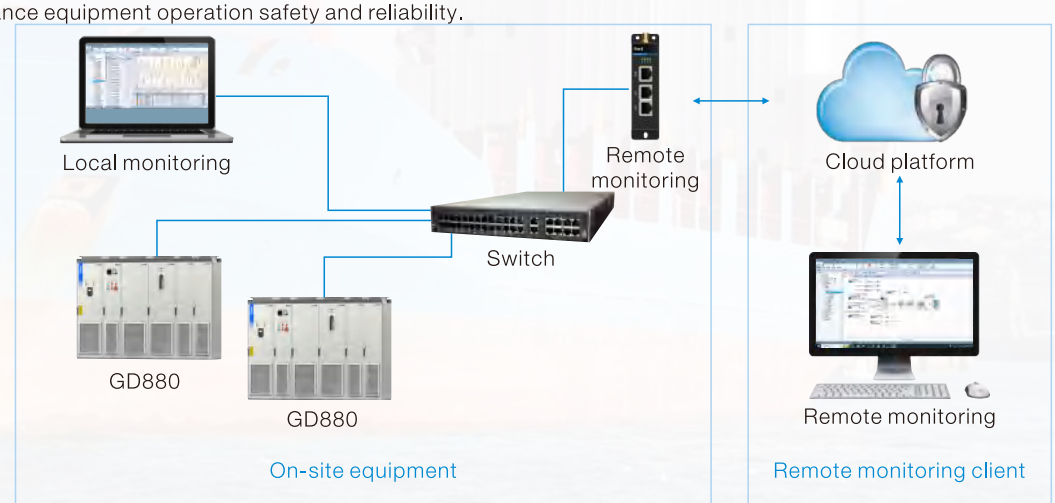
● Fault recorder

Saving data to 10 channels, saving 100 groups of fault waveform data cyclically through re-writing, and analyzing faults without the need of fault simulation.



● Remote O&M

After being authorized, manufacturer technical experts can connect on-site equipment through the Internet of Things to help fault locating, observe equipment operation data, and optimize operation parameters, so as to improve production efficiency, and enhance equipment operation safety and reliability.



Excellent performance

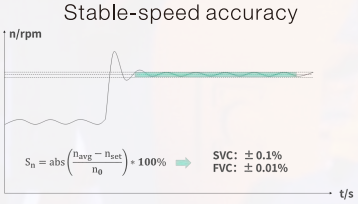
● High-speed and high-accuracy control

The multi-core architecture achieves high-speed and high-accuracy loop computing control, with good process consistency and improved product quality for customers.

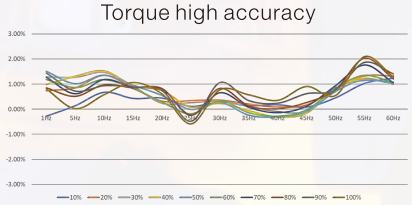
High accurarcy

	Stable-speed accuracy	Torque accuracy
FVC	0.01%	<3%
SVC	0.1%	<5%

Stable-speed accuracy



Torque high accuracy



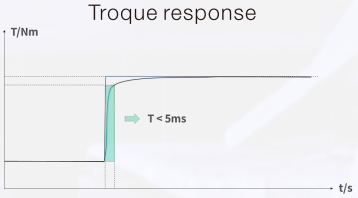
● High dynamic response

Real time load observation, achieving torque response of less than 5ms, with small speed drop area, fast speed recovery, and reducing pulling force.

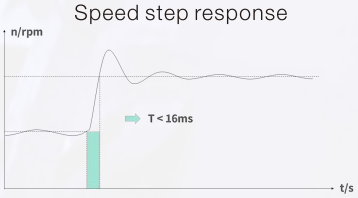
High dynamic response

	Troque response	Speed step response	Dynamic speed decrease
FVC	<5ms	<16ms	0.1%*s-0.3%*s
SVC	10ms	<40ms	0.4%*s-0.5%*s

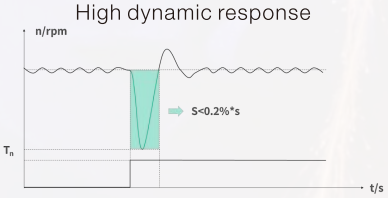
Troque response



Speed step response



High dynamic response



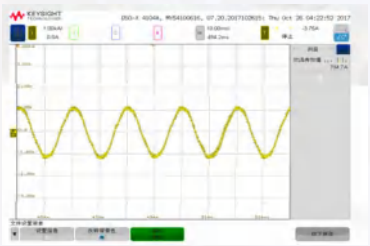
● High performance

Four-quadrant product THDi < 5%, far below the limits specified by IEEE519 and G5/4, achieving the directly feedback of the power grid excellent low-frequency performance, making it easy to cope with lifting loads.
Master/slave control with millisecond-level response, achieving more balanced load distribution.

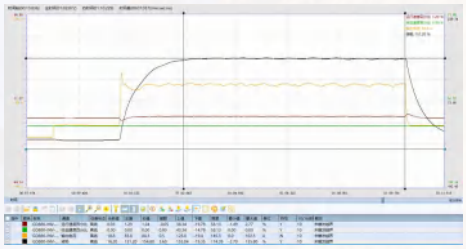
High performance

Low harmonic	Zero-speed suspension	Master/slave control
<5%	150% (SVC)	<3ms

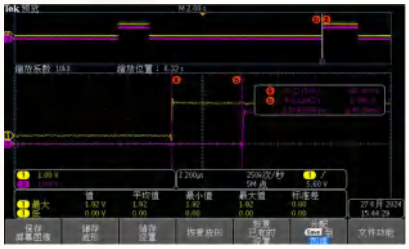
Low harmonic



Zero-speed suspension



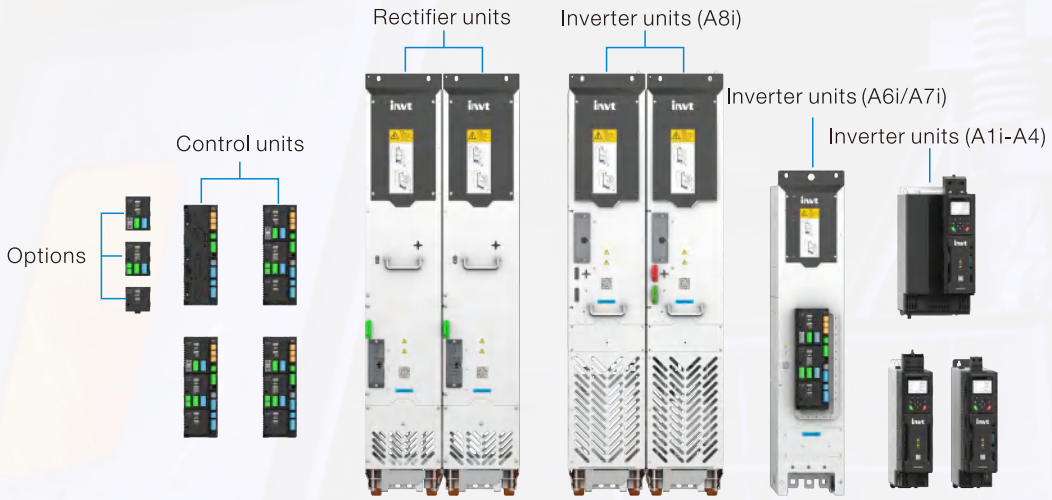
Master/slave control



Flexible and easy to use

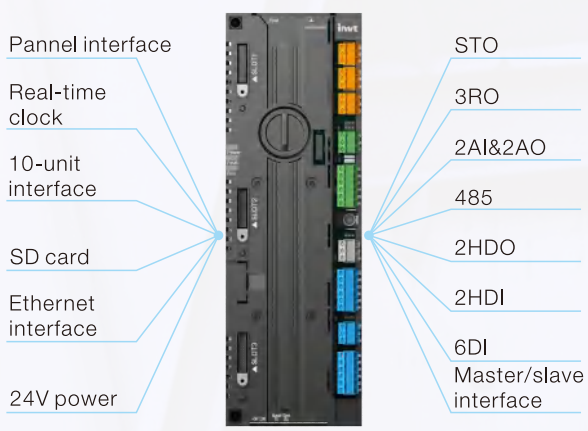
● Modular design

Control component modularization, making scalability flexible.
Power unit modularization, facilitating integration.
Modular front maintenance design for cabinets, achieving engineering need based combination to shorten delivery time and facilitate maintenance.



● Abundant options for expansion

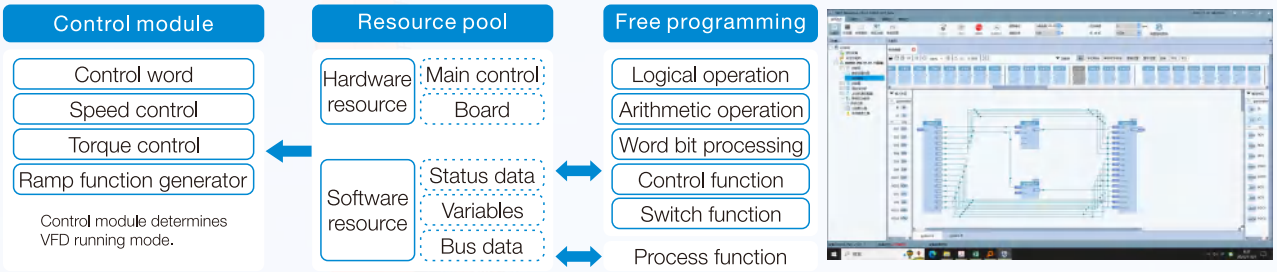
Abundant system resources and I/O configuration, with user I/O functions differentiated by color to prevent accidental insertion and removal.
Control unit equipped with a standard 3-channel expansion interface, including encoder module, I/O, communication expansion functions, achieving interconnection and interoperability of industrial equipment.



Options		
		
·HTL encoder module ·TTL encoder module ·Resolver encoder module	· I/O module	·Profinet IO communication module ·Profibus-DP communication module ·CANopen communication module ·Fiber-optic module

Free programming

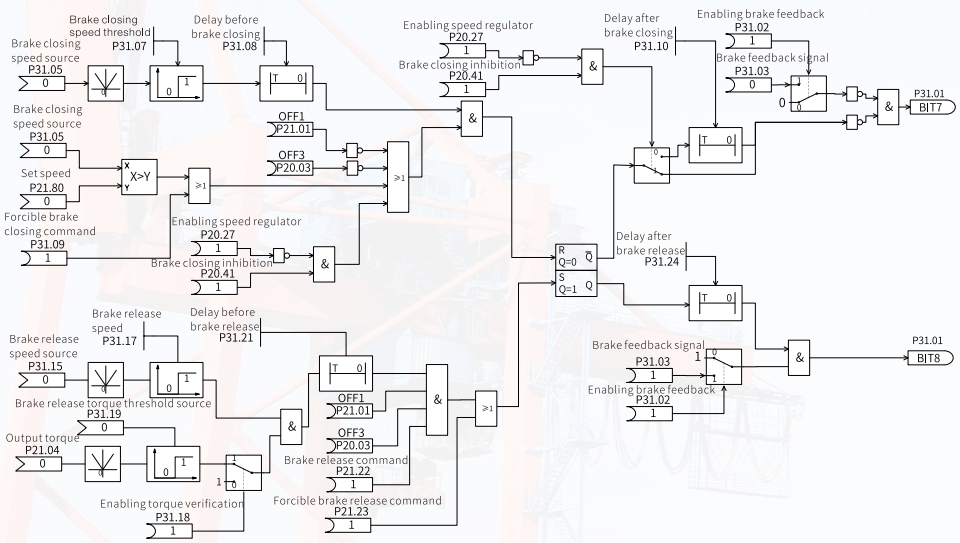
By using open control units and expansion I/O resource status, operation status, control word, status word and other resource interfaces, free programming can achieve secondary development and seamless integration with third-party control substitution, significantly reducing transformation workload, and assisting upgrading.
Programming can be modular and configurable, reducing non-standard code development, ensuring firmware consistency, facilitating spare parts management, and reducing maintenance costs.



Holding brake logic

Integrated with lifting holding brake control logic, effectively shortening the development cycle of automation systems.

▲ Integrated with lifting holding brake control logic
· External/Local brake control for selection
· Brake feedback detection to ensure safety
· Torque memorizing and pre-torque to ensure smooth starting
· Zero servo ensuring safety without slipping
▲ Anti-snag protection to handle emergency

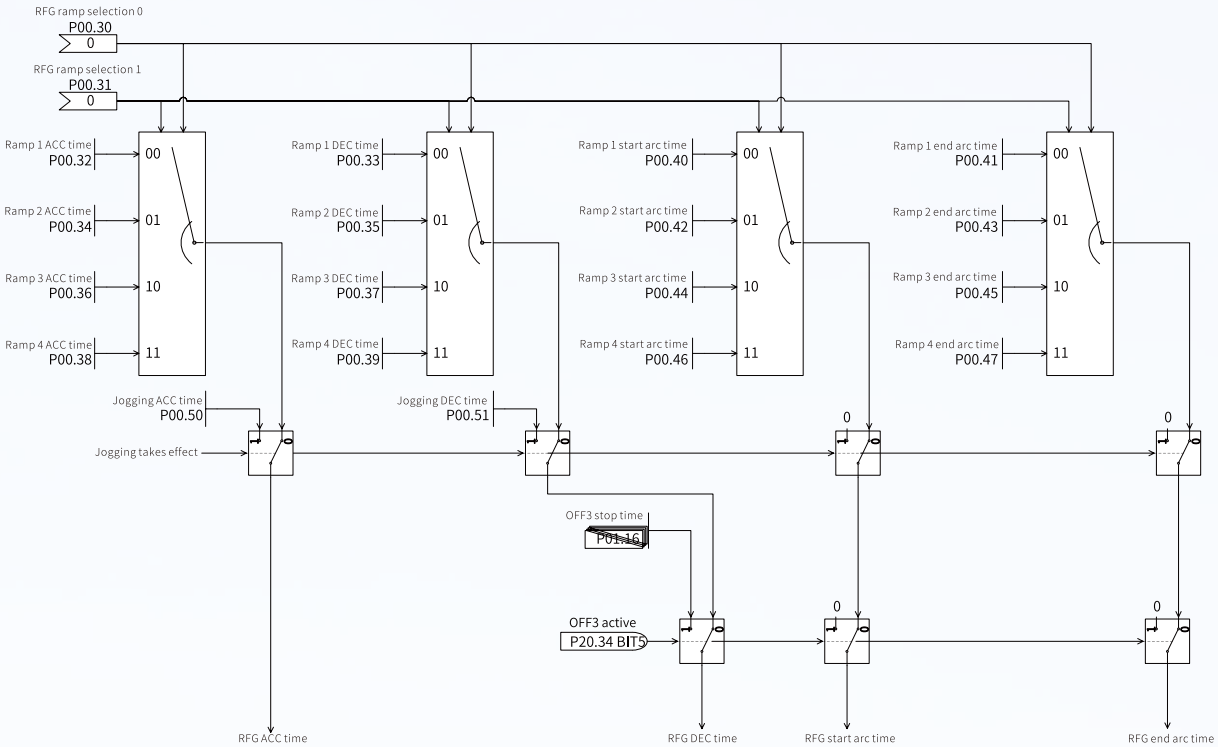


Easy to debug

LCD screen with intuitive display, without the need to consult the operation manual, saving debugging time.
Supporting parameter upload, storage, and download, saving engineering batch debugging time through parameter copying.
IP54 high protection design, supporting cabinet door external connection for easy integration.
Type-C firmware/word library upgrade for fast language adaptation.

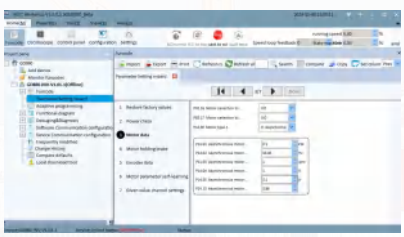
● Open function diagram

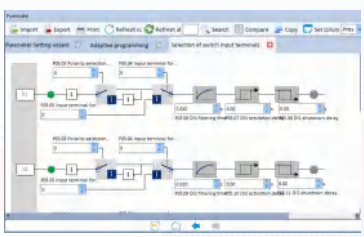
Function modularization and clear definition, convenient for engineers to learn and use at low cost.
Open data flow diagram and transparent control scheme.
Function diagrams integrated with data testing for easy problem locating.



● Workshop host controller software

Standard Ethernet debugging interface to achieve local and remote debugging, monitoring, and maintenance of drive equipment .
Professional debugging wizard to quickly complete drive configuration, improving debugging efficiency.
High speed online oscilloscope, supporting multi-device monitoring, with each device supporting the storage and playback of 10 channels of waveform data, and real-time display of status information, convenient for quick problem locating, greatly improving debugging efficiency.
Support for function parameter comparison, batch upload, download, printing, and file export.





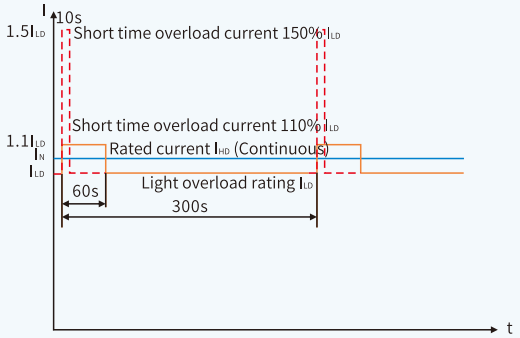
Type designation

GD880 – 51 – 0650 – 6 – LC – Z

Description	Example
Abbreviation of product series	GD880: GD880 Series Engineer VFD
Product type	11: Variable-frequency drive unit 16: 2-quadrant variable-frequency drive cabinet 41: 3PH braking unit 46: 3PH braking cabinet 51: Inverter unit 56: Inverter cabinet 71: Basic rectifier unit 76: Basic rectifier cabinet 81: Regenerative rectifier unit 86: Regenerative rectifier cabinet 91: Active rectifier unit 96: Active rectifier cabinet 09: DC/DC Converter 09C: DCDC converter cabinet 26: Active-rectifier 4-quadrant variable-frequency drive cabinet 36: Regenerative rectifier 4-quadrant variable-frequency drive cabinet
Rated value	Rated current: 650A Rated power: 41/46
Voltage class	4: 380- 440VAC 3PH ±10%, -15%＜1min 6: 520- 690VAC 3PH ±10%, -15%＜1min
Product management No.	Default: Air cooling LC: Liquid-cooling N: A8n unit L2: A8L2 unit
Product management No.	Default: Unit supply Z: Component supply Z(12DF): 12-pulse rectifier Componentsupply

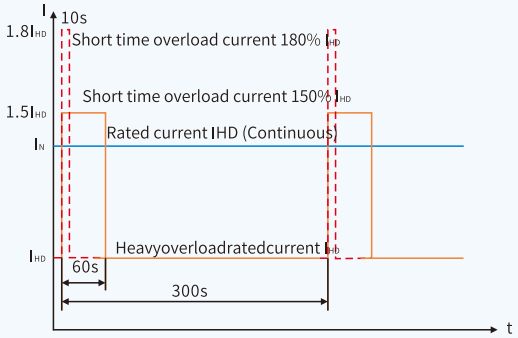
Overload curve

Based on light overload continuous operating current I_{LD}, the power unit has overload capacity of 110% overload for 60 seconds every 5 minutes or 150% overload for 10 seconds every 5 minutes.



Light overload application

Based on heavyoverload continuous operating current I_{HD}, the power unit has overload capacity of 150% overload for 60 seconds every 5 minutes or 180% overload for 10 seconds every 5 minutes.



Heavy overload application

Note: The 10s short-term overload current is related to the unit temperature, and different overload modes are different.

GD880-71 basic rectifier unit

U_N= 400V (range 380 to 480V). The power ratings are valid at nominal voltage 400V (475 to 3616kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
6-pulse												
GD880-71-0718-4	718	879	1142	497	475	844	456	659	356	D8T	2.8	1500
GD880-71-0980-4	980	1200	1560	680	648	1154	623	901	487	D8T	3.0	1500
GD880-71-1336-4	1336	1635	2126	926	883	1570	848	1226	662	2*D8T	5.6	3000
GD880-71-1822-4	1822	2232	2902	1263	1205	2143	1157	1670	902	2*D8T	6.0	3000
GD880-71-2734-4	2734	3348	4353	1895	1808	3214	1736	2504	1352	3*D8T	9.0	4500
GD880-71-3645-4	3645	4464	5804	2525	2411	4285	2314	3339	1803	4*D8T	12.0	6000
GD880-71-4556-4	4556	5580	7254	3156	3013	5357	2893	4174	2254	5*D8T	15.0	7500
GD880-71-5467-4	5467	6696	8705	3788	3616	6428	3471	5009	2705	6*D8T	18.0	9000
12-pulse												
GD880-71-1336-4 (12DF)	1336	1635	2126	926	883	1570	848	1226	662	2*D8T	5.6	3000
GD880-71-1822-4 (12DF)	1822	2232	2902	1263	1205	2143	1157	1670	902	2*D8T	6.0	3000
GD880-71-2672-4 (12DF)	2672	3270	4252	1852	1766	3140	1696	2452	1324	4*D8T	11.2	6000
GD880-71-3645-4 (12DF)	3645	4464	5804	2525	2408	4285	2314	3339	1803	4*D8T	12.0	6000
GD880-71-4008-4 (12DF)	4008	4905	6378	2778	2649	4710	2544	3678	1986	6*D8T	16.8	9000
GD880-71-5467-4 (12DF)	5467	6696	8705	3788	3616	6428	3471	5009	2705	6*D8T	18.0	9000

* The LCD keypad and control unit need to be purchased separately. For details, see the option list.
* Component supply (-Z) is recommended. For details, please refer to the Ordering information.

U_N= 690V (range 520 to 690V). The power ratings are valid at nominal voltage 690V (650 to 5183kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
6-pulse												
GD880-71-0570-6	570	698	907	682	650	670	624	523	487	D8T	2.5	1500
GD880-71-0815-6	815	998	1297	974	929	958	892	748	697	D8T	2.8	1500
GD880-71-1061-6	1061	1299	1688	1268	1210	1247	1161	974	907	2*D8T	5.0	3000
GD880-71-1515-6	1515	1854	2411	1810	1727	1780	1658	1391	1295	2*D8T	5.6	3000
GD880-71-2273-6	2273	2782	3617	2716	2591	2671	2488	2087	1944	3*D8T	8.4	4500
GD880-71-3031-6	3031	3710	4823	3622	3456	3561	3317	2782	2592	4*D8T	11.2	6000
GD880-71-3788-6	3788	4636	6027	4527	4319	4451	4146	3477	3239	5*D8T	14.0	7500
GD880-71-4546-6	4546	5564	7233	5433	5183	5341	4976	4173	3887	6*D8T	16.8	9000
12-pulse												
GD880-71-1061-6 (12DF)	1061	1299	1688	1268	1210	1247	1161	974	907	2*D8T	5.0	3000
GD880-71-1515-6 (12DF)	1515	1854	2411	1810	1727	1780	1658	1391	1295	2*D8T	5.6	3000
GD880-71-2122-6 (12DF)	2122	2597	3376	2536	2419	2493	2323	1948	1814	4*D8T	10.0	6000
GD880-71-3031-6 (12DF)	3031	3710	4823	3622	3456	3561	3317	2782	2592	4*D8T	11.2	6000
GD880-71-4546-6 (12DF)	4546	5564	7233	5433	5183	5341	4976	4173	3887	6*D8T	16.8	9000

* The LCD keypad and control unit need to be purchased separately. For details, see the option list.
* Component supply (-Z) is recommended. For details, please refer to the Ordering information.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
D8T	1275	230	584	210

Note:
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-81 regenerative rectifier unit

U_N= 400V (range 380 to 480V). The power ratings are valid at nominal voltage 400V (76 to 3513kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
GD880-81-0116-4	116	141	184	80	76	135	73	106	57	A4+L	1.0	255
GD880-81-0149-4	149	181	236	102	97	174	94	136	73	A4+L	1.3	255
GD880-81-0183-4	183	223	290	126	120	214	115	167	90	A4+L	1.6	255
GD880-81-0245-4	245	299	389	169	161	287	155	224	121	A6+L	2.2	1000
GD880-81-0299-4	299	365	475	206	197	351	189	274	148	A6+L	2.7	1000
GD880-81-0349-4	349	426	555	241	230	410	221	320	172	A7+L	2.9	1000
GD880-81-0395-4	395	483	628	273	261	464	250	362	195	A7+L	3.3	1000
GD880-81-0516-4	516	631	820	357	341	606	327	473	255	A7+L	4.3	1000
GD880-81-0640-4	640	783	1018	443	423	752	406	587	317	A8+L	4.9	2500
GD880-81-0757-4	757	923	1201	522	497	886	478	692	373	A8+L	5.2	2500
GD880-81-0900-4	900	1102	1432	624	595	1057	571	826	446	A8+L	6.9	2500
GD880-81-1180-4	1180	1445	1879	818	780	1387	749	1081	584	2*A8+L	8.4	4000
GD880-81-1770-4	1770	2168	2818	1226	1171	2081	1124	1622	876	2*A8+L	12.2	4000
GD880-81-2360-4	2360	2890	3758	1636	1560	2774	1498	2162	1168	2*(2*A8+L)	16.8	8000
GD880-81-3540-4	3540	4336	5636	2452	2342	4162	2248	3244	1752	2*(2*A8+L)	24.4	8000
GD880-81-5310-4	5310	6504	8454	3678	3513	6243	3372	4866	2628	3*(2*A8+L)	36.6	12000

* The whole series should be used with AC detection modules, fiber-optic communication modules, etc. For a complete list, please refer to the Ordering information.
* Rectifier units in the A8 and above frames feature a fast connector design. The L model uses a filter unit, while other structures utilize filter components.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

U_N= 690V (range 520 to 690V). The power ratings are valid at nominal voltage 690V (685 to 6057kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
GD880-81-0600-6	600	734	955	717	685	705	657	550	512	A8+L	5.4	2500
GD880-81-0900-6	900	1102	1432	1076	1027	1058	986	824	768	A8+L	7.2	2500
GD880-81-1180-6	1180	1445	1879	1410	1346	1387	1292	1081	1007	2*A8+L	9.3	4000
GD880-81-1770-6	1770	2168	2818	2115	2019	2081	1939	1622	1510	2*A8+L	12.3	4000
GD880-81-2360-6	2360	2890	3758	2820	2692	2774	2584	2162	2014	2*(2*A8+L)	18.6	8000
GD880-81-3540-6	3540	4336	5636	4230	4038	4162	3878	3244	3020	2*(2*A8+L)	24.6	8000
GD880-81-5310-6	5310	6504	8454	6345	6057	6243	5817	4866	4530	3*(2*A8+L)	36.9	12000

* The whole series should be used with AC detection modules, fiber-optic communication modules, etc. For a complete list, please refer to the Ordering information.
* Rectifier units in the A8 and above frames feature a fast connector design. The L model uses a filter unit, while other structures utilize filter components.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A4	435	200	436	19.5
A6	850	200	465	45
A7	980	200	465	55
A8+L	1275	500	584	420
2*A8+L	1275	730	584	615

Note:
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-91 active rectifier unit

U_N= 400V (range 380 to 480V). The power ratings are valid at nominal voltage 400V (64 to 3169kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
GD880-91-0094-4	94	107	139	65	64	103	62	80	48	A3+LCL	2.0	179
GD880-91-0116-4	116	130	169	79	78	127	76	98	59	A4+LCL	2.5	255
GD880-91-0149-4	149	170	221	103	102	163	98	128	77	A4+LCL	3.2	255
GD880-91-0183-4	183	210	273	127	126	200	120	157	94	A4+LCL	4.0	255
GD880-91-0220-4	220	252	327	153	151	242	145	189	113	A6+LCL	4.7	1000
GD880-91-0260-4	260	297	386	180	178	285	171	222	133	A6+LCL	5.6	1000
GD880-91-0312-4	312	357	464	216	214	342	205	268	161	A7+LCL	6.7	1000
GD880-91-0395-4	395	452	587	274	271	433	260	339	203	A7+LCL	8.5	1000
GD880-91-0516-4	516	590	767	358	354	565	339	442	265	A7+LCL	11.1	1000
GD880-91-0615-4	615	703	914	426	422	675	405	528	317	A8+LCL	13.3	3000
GD880-91-0681-4	681	772	1004	468	463	740	444	578	347	A8+LCL	14.6	3000
GD880-91-0810-4	810	927	1205	562	556	888	533	695	417	A8+LCL	17.5	3000
GD880-91-0980-4	980	1121	1457	679	673	1074	646	840	504	2*A8+LCL	21.0	4500
GD880-91-1168-4	1168	1336	1737	810	802	1283	769	1003	602	2*A8+LCL	25.2	4500
GD880-91-1295-4	1295	1466	1906	897	888	1406	844	1098	659	2*A8+LCL	27.9	4500
GD880-91-1539-4	1539	1761	2289	1067	1056	1687	1013	1320	792	2*A8+LCL	33.2	4500
GD880-91-2336-4	2336	2672	3474	1620	1604	2566	1538	2006	1204	2*(2*A8+LCL)	47.1	9000
GD880-91-3078-4	3078	3521	4578	2134	2113	3374	2026	2640	1584	2*(2*A8+LCL)	66.3	9000
GD880-91-4617-4	4617	5282	6867	3201	3169	5061	3039	3960	2376	3*(2*A8+LCL)	99.5	13500

* The whole series should be used with AC detection modules, fiber-optic communication modules, etc. For a complete list, please refer to the Ordering information.
* Rectifier units in A8 and above frames feature a fast connector design. The LCL model uses a filter unit, while products in other frames utilize LCL filter components.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

U_N= 690V (range 520 to 690V). The power ratings are valid at nominal voltage 690V (437 to 6070kW).												
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW			
GD880-91-0369-6	369	422	549	441	437	406	420	317	328	A8+LCL	13.1	3000
GD880-91-0477-6	477	545	708	570	564	523	541	409	423	A8+LCL	16.9	3000
GD880-91-0540-6	540	617	803	645	639	592	613	463	479	A8+LCL	19.2	3000
GD880-91-0701-6	701	802	1043	839	830	770	797	602	623	2*A8+LCL	24.9	4500
GD880-91-0906-6	906	1036	1346	1082	1072	994	1029	777	804	2*A8+LCL	32.2	4500
GD880-91-1026-6	1026	1173	1525	1226	1214	1126	1165	880	910	2*A8+LCL	36.4	4500
GD880-91-1402-6	1402	1604	2086	1678	1660	1540	1594	1204	1246	2*(2*A8+LCL)	49.8	9000
GD880-91-2052-6	2052	2346	3050	2452	2428	2252	2330	1760	1820	2*(2*A8+LCL)	72.8	9000
GD880-91-3078-6	3078	3519	4575	3679	3642	3378	3495	2640	2730	3*(2*A8+LCL)	109.3	13500
GD880-91-4104-6	4104	4692	6100	4905	4856	4504	4660	3520	3640	4*(2*A8+LCL)	145.7	18000
GD880-91-5130-6	5130	5865	7625	6131	6070	5630	5825	4400	4550	5*(2*A8+LCL)	182.1	22500

* The whole series should be used with AC detection modules, fiber-optic communication modules, etc. For a complete list, please refer to the Ordering information.
* Rectifier units in A8 and above frames feature a fast connector design. The LCL model uses a filter unit, while products in other frames utilize LCL filter components.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A3	439	100	436	10.5
A4	435	200	436	19.5
A6	850	200	465	45
A7	980	200	465	55
A8+LCL	1275	500	584	465
2*A8+LCL	1275	730	584	630

Note:
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-51 inverter unit

Input: 510…720Vdc output: 0-0.7*Vdc The power ratings are valid at nominal voltage 400V (4 to 3000kW).

Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-51-0009-4	9	11	4	9	4	5	2.2	A1i	0.1	17
GD880-51-0013-4	13	15.6	5.5	13	5.5	9	4	A1i	0.1	17
GD880-51-0017-4	17	21	7.5	17	7.5	13	5.5	A1i	0.2	17
GD880-51-0023-4	23	27	11	22	11	17	7.5	A1i	0.2	17
GD880-51-0033-4	33	40	15	32	15	25	11	A2i	0.3	68
GD880-51-0038-4	38	46	18.5	37	18.5	32	15	A2i	0.3	68
GD880-51-0048-4	48	58	22	45	22	37	18.5	A2i	0.4	94
GD880-51-0060-4	60	72	30	58	30	45	22	A3i	0.5	179
GD880-51-0078-4	78	94	37	75	37	60	30	A3i	0.6	179
GD880-51-0094-4	94	112	45	91	45	75	37	A3i	0.8	179
GD880-51-0116-4	116	139	55	112	55	91	45	A4i	0.8	255
GD880-51-0149-4	149	179	75	143	75	112	55	A4i	1.2	255
GD880-51-0183-4	183	220	90	176	90	150	75	A4i	1.5	255
GD880-51-0245-4	245	294	110	236	110	184	90	A6i	1.8	1000
GD880-51-0299-4	299	358	132	287	132	224	110	A6i	2.2	1000
GD880-51-0349-4	349	419	160	335	160	262	132	A7i	2.6	1000
GD880-51-0395-4	395	474	200	380	200	296	160	A7i	3.2	1000
GD880-51-0516-4	516	619	250	495	250	387	200	A7i	5.2	1000
GD880-51-0639-4	639	766	355	613	315	479	250	A8i/A8n/A8L2	6.8	1500
GD880-51-0757-4	757	909	400	727	355	568	315	A8i/A8n/A8L2	8.0	1500
GD880-51-0900-4	900	1080	500	864	450	675	355	A8i/A8n/A8L2	10.0	1500
GD880-51-0975-4	975	1170	560	936	500	731	400	A8i/A8n/A8L2	10.1	1500
GD880-51-1213-4	1213	1456	710	1165	630	910	500	2*A8i/A8L2	13.6	3000
GD880-51-1439-4	1439	1727	800	1381	710	1079	630	2*A8i/A8L2	16.0	3000
GD880-51-1710-4	1710	2052	1000	1642	900	1283	710	2*A8i/A8L2	20.0	3000
GD880-51-1852-4	1852	2222	1100	1778	1000	1389	800	2*A8i/A8L2	21.2	3000
GD880-51-2158-4	2158	2590	1200	2072	1100	1619	900	3*A8i	24.0	4500
GD880-51-2565-4	2565	3078	1400	2462	1300	1924	1000	3*A8i	30.0	4500
GD880-51-2778-4	2778	3333	1500	2668	1400	2083	1100	3*A8i	31.8	4500
GD880-51-3420-4	3420	4104	2000	3283	1800	2565	1400	4*A8i	40.0	6000
GD880-51-3704-4	3704	4444	2200	3557	2000	2778	1600	4*A8i	42.4	6000
GD880-51-4316-4	4316	5180	2400	4144	2200	3238	1800	6*A8i	48.0	9000
GD880-51-5130-4	5130	6156	2800	4925	2600	3848	2000	6*A8i	60.0	9000
GD880-51-5556-4	5556	6666	3000	5335	2800	4167	2200	6*A8i	63.6	9000

Input: 510…720Vdc output: 0-0.7*Vdc The power ratings are valid at nominal voltage 400V (4 to 3000kW).

* The products in the A6i and A7i frames can be optionally configured with built-in precharge (except for GD880-51-0516-4).
* The products in the A8i frame use built-in output reactors, quick plug, backend cable exit.
* The products in the A8n frame use direct connection, frontend cable exit, without output reactors.
* The products in the A8L2 frame use built-in output reactors, frontend cable exit, and cable connection.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

Input: 700…1035Vdc output: 0-0.7*Vdc The power ratings are valid at nominal voltage 690V (55 to 6500kW).

Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-51-0062-6	62	74	55	60	55	46	45	A6i	0.9	1000
GD880-51-0082-6	82	98	75	79	75	61	55	A6i	1.2	1000
GD880-51-0099-6	99	118	90	95	90	74	75	A6i	1.4	1000
GD880-51-0125-6	125	150	110	120	110	94	90	A6i	1.8	1000
GD880-51-0144-6	144	173	132	138	132	108	110	A6i	2.1	1000
GD880-51-0192-6	192	230	160	184	160	144	132	A6i	2.8	1000
GD880-51-0217-6	217	259	200	215	200	162	160	A7i	3.2	1000
GD880-51-0270-6	270	323	250	260	250	202	200	A7i	4.0	1000
GD880-51-0340-6	340	408	315	326	315	255	250	A7i	5.1	1000
GD880-51-0410-6	410	492	400	394	355	308	315	A8i/A8n/A8L2	6.2	1500
GD880-51-0530-6	530	636	500	509	450	398	355	A8i/A8n/A8L2	8.0	1500
GD880-51-0600-6	600	720	560	576	500	450	400	A8i/A8n/A8L2	9.1	1500
GD880-51-0650-6	650	780	630	624	560	488	450	A8i/A8n/A8L2	10.3	1500
GD880-51-0720-6	720	864	710	690	630	540	500	A8i/A8n/A8L2	11.7	1500
GD880-51-0779-6	779	935	800	748	710	585	560	2*A8i/A8L2	12.4	3000
GD880-51-1007-6	1007	1208	1000	967	900	756	710	2*A8i/A8L2	16.0	3000
GD880-51-1140-6	1140	1368	1100	1094	1000	855	800	2*A8i/A8L2	18.2	3000
GD880-51-1235-6	1235	1482	1200	1186	1100	927	900	2*A8i/A8L2	20.6	3000
GD880-51-1368-6	1368	1642	1300	1313	1200	1026	1000	2*A8i/A8L2	22.5	3000
GD880-51-1510-6	1510	1813	1400	1450	1300	1133	1100	3*A8i	24.0	4500
GD880-51-1710-6	1710	2052	1600	1642	1500	1283	1200	3*A8i	27.3	4500
GD880-51-1853-6	1853	2223	1800	1778	1600	1391	1300	3*A8i	30.9	4500
GD880-51-2052-6	2052	2462	2000	1967	1800	1539	1500	3*A8i	32.3	4500
GD880-51-2280-6	2280	2736	2200	2189	2000	1710	1600	4*A8i	36.4	6000
GD880-51-2470-6	2470	2964	2400	2371	2200	1854	1800	4*A8i	41.2	6000
GD880-51-2736-6	2736	3283	2600	2627	2400	2052	2000	4*A8i	45.0	6000
GD880-51-3020-6	3020	3626	2800	2899	2600	2265	2200	6*A8i	48.0	9000
GD880-51-3420-6	3420	4104	3200	3283	3000	2565	2400	6*A8i	54.6	9000
GD880-51-3705-6	3705	4446	3600	3557	3200	2782	2600	6*A8i	61.8	9000
GD880-51-4104-6	4104	4925	4000	3934	3600	3078	3000	6*A8i	64.6	9000
GD880-51-4940-6	4940	5928	4800	4742	4400	3708	3600	8*A8i	82.4	12000
GD880-51-5472-6	5472	6566	5200	5244	4800	4104	4000	8*A8i	93.6	12000
GD880-51-6175-6	6175	7410	6000	5930	5500	4636	4500	10*A8i	103.0	15000
GD880-51-6840-6	6840	8208	6500	6555	6000	5130	5000	10*A8i	117.0	15000

* The products in the A6i and A7i frames can be optionally configured with built-in precharge.
* The products in the A8i frame use built-in output reactors, quick plug, backend cable exit.
* The products in the A8n frame use direct connection, frontend cable exit, without output reactors.
* The products in the A8L2 frame use built-in output reactors, frontend cable exit, and cable connection.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A1i	418	100	436	6.5
A2i	439	100	436	8.7
A3i	439	100	436	10.5
A4i	435	200	436	19.5
A6i	850	200	465	45
A7i	980	200	465	55
A8i	1275	230	584	165
A8n	933	230	584	98

Note:
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-11 single-drive unit

U_N= 440V (range 380 to 480V). The power ratings are valid at nominal voltage 440V (5.5 to 500kW) (E frame).

Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_I A(AC)	I_N A(AC)	P_N KW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-11-0014-4-B	21	14	5.5	13.5	5.5	9.5	4	E3	0.2	68
GD880-11-0019-4-B	27	19	7.5	17	7.5	14	5.5		0.3	
GD880-11-0023-4-B	30	23	11	23	11	18.5	7.5	E4	0.3	149
GD880-11-0032-4-B	40	32	15	32	15	25	11		0.5	
GD880-11-0038-4-B	45	38	18.5	38	18.5	32	15	E5	0.5	192
GD880-11-0045-4-B	51	45	22	45	22	38	18.5		0.6	
GD880-11-0060-4-B	64	60	30	60	30	45	22	E6	0.8	341
GD880-11-0075-4-B	80	75	37	75	37	60	30		1.0	
GD880-11-0092-4-B	98	92	45	92	45	75	37		1.1	
GD880-11-0115-4	128	115	55	115	55	92	45	E7	1.2	752
GD880-11-0150-4	139	150	75	150	75	115	55		1.5	
GD880-11-0180-4	168	180	90	180	90	150	75		1.8	
GD880-11-0215-4	201	215	110	215	110	180	90	E8	2.2	850
GD880-11-0260-4	265	260	132	260	132	215	110		2.6	
GD880-11-0305-4	310	305	160	305	160	260	132	E9	3.2	1443
GD880-11-0340-4	345	340	185	340	185	305	160		3.7	
GD880-11-0380-4	385	380	200	380	200	340	185	E11	4.0	2697
GD880-11-0425-4	430	425	220	425	220	380	200		4.2	
GD880-11-0480-4	460	480	250	480	250	425	220		4.8	
GD880-11-0530-4	500	530	280	530	280	480	250		5.5	
GD880-11-0600-4	580	600	315	600	315	530	280		6.1	
GD880-11-0650-4	625	650	355	650	355	600	315		6.8	
GD880-11-0720-4	715	720	400	720	400	650	355	E12	7.6	
GD880-11-0820-4	840	820	450	820	450	720	400		8.6	
GD880-11-0860-4	890	860	500	860	500	820	450		9.4	

* The products in the E7 and E8 frames can be optionally configured with a built-in braking unit (-B).
* The products in the E11 and E12 frames can be optionally configured with a built-in output reactor (-L3).
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

U_N= 400V (range 380 to 480V). The power ratings are valid at nominal voltage 440V (355 to 1100kW) (11A8 frame).										
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_I A(AC)	I_N A(AC)	P_N KW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-11-0639-4	556	639	355	613	315	479	250	11A8	6.8	1500
GD880-11-0757-4	627	757	400	727	400	568	315	11A8	8.0	1500
GD880-11-0900-4	783	900	500	864	450	675	355	11A8	10.0	1500
GD880-11-0975-4	878	975	560	945	500	731	400	11A8	10.1	1500
GD880-11-1213-4	987	1213	630	1165	630	910	500	2*11A8	13.6	3000
GD880-11-1439-4	1254	1439	800	1381	800	1079	630	2*11A8	16.0	3000
GD880-11-1710-4	1566	1710	1000	1642	900	1283	710	2*11A8	20.0	3000
GD880-11-1852-4	1720	1852	1100	1778	1000	1389	800	2*11A8	21.2	3000

U_N= 690V (range 520 to 690V). The power ratings are valid at nominal voltage 690V (400 to 1300kW) (11A8 frame).										
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	I_I A(AC)	I_N A(AC)	P_N KW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-11-0410-6	364	410	400	394	355	308	315	11A8	6.2	1500
GD880-11-0530-6	455	530	500	509	450	398	355	11A8	8.0	1500
GD880-11-0600-6	509	600	560	576	500	450	400	11A8	9.1	1500
GD880-11-0650-6	573	650	630	624	560	488	450	11A8	10.3	1500
GD880-11-0720-6	645	720	710	690	630	540	500	11A8	11.7	1500
GD880-11-0779-6	727	779	800	748	710	585	560	2*11A8	12.4	3000
GD880-11-1007-6	910	1007	1000	967	900	756	710	2*11A8	16.0	3000
GD880-11-1140-6	1000	1140	1100	1094	1000	855	800	2*11A8	18.2	3000
GD880-11-1235-6	1090	1235	1200	1186	1100	927	900	2*11A8	20.6	3000
GD880-11-1368-6	1182	1368	1300	1313	1200	1026	1000	2*11A8	22.5	3000

* Component supply (- Z) is recommended. For details, please refer to the Ordering information.
*2*11A8 frame requires the selection of input reactors and output reactors.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
E3	450	161	362	9.8
E4	470	181	398	13.6
E5	470	241	393	17.3
E6	510	276	398	28
E7	650	296	428	40
E8	554	338	468	42
E9	825	339	520	86
E11	1288	330	540	124
E12	1398	330	540	175
E11(L3)	1619	330	540	180
E12(L3)	1729	330	540	250
11A8	1340	250	584	150

Note:
The panel and control unit need to be purchased separately for the products in the GD880-11 Variable-frequency drive unit.
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-41 3PH braking unit

Input: 510…720VDC, The power ratings are valid at nominal voltage 400V (500 to 750kW).												
Drive type	Resistor values ohm		U_{br} V	Nominal ratings			Duty cycle use (1min/5min)			Frame size	Heat dissipation kW	Air flow m^3/h
				I_{DC} A(DC)	I_{rms} A(AC)	P_N kW	I_{DC} A(DC)	I_{rms} A(AC)	P_{HB} kW			
GD880-41-0500-4	R_{min}	1.7	653	781	310	500	999	351	640	A8n	1.5	1500
	R_{max}	2.1	653	650	258	416	832	291	530	A8n	1.3	1500
GD880-41-0750-4	R_{min}	1.2	653	1171	465	750	1499	527	960	A8n	2.4	1500
	R_{max}	1.4	653	975	387	624	1249	436	800	A8n	2.0	1500

Input: 700…1035VDC, The power ratings are valid at nominal voltage 690V (870 to 1300kW).												
Drive type	Resistor values ohm		U_{br} V	Nominal ratings			Duty cycle use (1min/5min)			Frame size	Heat dissipation kW	Air flow m^3/h
				I_{DC} A(DC)	I_{rms} A(AC)	P_N kW	I_{DC} A(DC)	I_{rms} A(AC)	P_{HB} kW			
GD880-41-0870-6	R_{min}	3.0	1126	781	310	870	999	351	1100	A8n	1.6	1500
	R_{max}	3.6	1126	650	258	725	832	291	920	A8n	1.4	1500
GD880-41- 1300-6	R_{min}	2.0	1126	1171	465	1300	1499	527	1655	A8n	2.5	1500
	R_{max}	2.4	1126	975	387	1080	1249	436	1390	A8n	2.1	1500

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A8n	933	230	584	98

Note:

Power: P_N: Max. continuous braking power. P_{HB}: Short-time braking power that last for 1 minute within successive 5 minutes (with empty load in the other 4 minutes).

Current: I_{DC}: Total input current of the braking unit. I_{rms}: Total root mean square value of DC output phase current of the braking unit.

Resistor: R_{min}: Min. value allowed by each-phase braking resistor. R_{max}: Max. value allowed by each-phase braking resistor.

GD880-09 DC DC converter

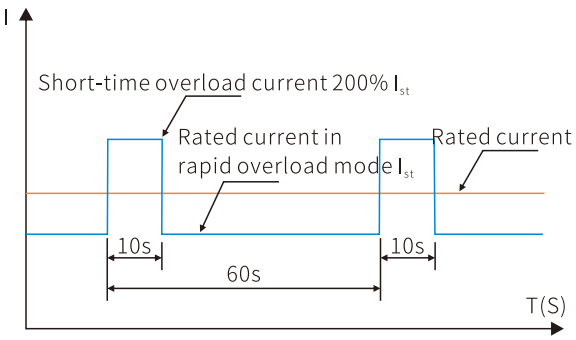
Input: 540...720VDC The power ratings are valid at nominal voltage 400V (50 to 600kW).													
Drive type	Nominal ratings					Rapid overload application			Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	V_i V(DC)	V_O V(DC)	V_{onom} V(DC)	I_N A(DC)	P_N kW(DC)	I_{st} A(DC)	I_{max} A(DC)	P_{st} kW(DC)	I_{HD} A(DC)	P_{HD} kW(DC)			
GD880-09-0100-4	540-720	50-670	500	100	50	75	150	38	85	43	A3+LC	0.7	179
GD880-09-0200-4	540-720	50-670	500	200	100	150	300	75	170	85	A4+LC	1.2	255
GD880-09-0300-4	540-720	50-670	500	300	150	225	450	113	255	128	A4+LC	1.8	255
GD880-09-0400-4	540-720	50-670	500	400	200	300	600	150	340	170	A6+LC	2.8	1000
GD880-09-0500-4	540-720	50-670	500	500	250	375	750	188	425	213	A7+LC	3.2	1000
GD880-09-0600-4	540-720	50-670	500	600	300	450	900	225	510	255	A7+LC	4.1	1000
GD880-09-0800-4	540-720	50-670	500	800	400	600	1200	300	680	340	A8n+LC	4.9	1500
GD880-09-1000-4	540-720	50-670	500	1000	500	750	1500	375	850	425	A8n+LC	6.7	1500
GD880-09-1200-4	540-720	50-670	500	1200	600	900	1800	450	1020	510	A8n+LC	8.3	1500

Input: 700...1035VDC The power ratings are valid at nominal voltage 690V (300 to 600kW).													
Drive type	Nominal ratings					Rapid overload application			Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h
	V_i V(DC)	V_O V(DC)	V_{onom} V(DC)	I_N A(DC)	P_N kW(DC)	I_{st} A(DC)	I_{max} A(DC)	P_{st} kW(DC)	I_{HD} A(DC)	P_{HD} kW(DC)			
GD880-09-0300-6	740-1050	50-1000	1000	300	300	225	450	225	255	255	A8n+LC	4.8	1500
GD880-09-0400-6	740-1050	50-1000	1000	400	400	300	600	300	340	340	A8n+LC	6.2	1500
GD880-09-0500-6	740-1050	50-1000	1000	500	500	375	750	375	425	425	A8n+LC	7.4	1500
GD880-09-0600-6	740-1050	50-1000	1000	600	600	450	900	450	510	510	A8n+LC	8.9	1500

* The heat dissipation refers to the heat generated by the unit, excluding any heat produced by the reactor.
* Rapid overload applications: Based on rapid overload continuous operating current Ist, the power unit has overload capacity of 200% overload for 10 seconds per minute.
* Heavy overload applications: Based on heavy overload continuous operating current I HD, the power unit has overload capacity of 150% overload for 60 seconds every 5 minutes.
* Component supply (- Z) is recommended. For details, please refer to the Ordering information.

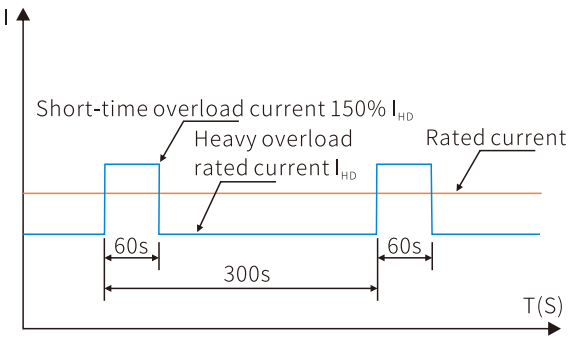
Rapid overload application

Based on rapid overload continuous operating current I_{st}, the power unit has overload capacity of 200% overload for 10 seconds per minute.



Heavy overload applications

Heavy overload applications: Based on heavy overload continuous operating current I_{HD}, the power unit has overload capacity of 150% overload for 60 seconds every 5 minutes.



GD880-LC liquid-cooling unit

U_N=690V (range: 520-690V). The power ratings are valid at nominal voltage 690V (400-6000kW).										
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation C/a/T kW	Rated water flow L/min
	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-51-0410-6-LC	410	492	400	394	355	308	315	A8LC	6.8/0.4/7.2	16
GD880-51-0530-6-LC	530	636	500	509	450	398	355		8.8/0.5/9.3	
GD880-51-0600-6-LC	600	720	560	576	560	450	400		9.9/0.7/10.6	
GD880-51-0650-6-LC	650	780	630	624	560	488	450		10.7/0.7/11.4	
GD880-51-0779-6-LC	779	935	800	748	710	585	560	2*A8LC	13.6/0.8/14.4	32
GD880-51-1007-6-LC	1007	1208	1000	967	900	756	710		17.6/1.0/18.6	
GD880-51-1140-6-LC	1140	1368	1100	1094	1000	855	800		19.8/1.4/21.2	
GD880-51-1235-6-LC	1235	1482	1200	1186	1100	927	900		21.4/1.4/22.8	
GD880-51-1510-6-LC	1510	1813	1400	1450	1300	1133	1100	3*A8LC	26.4/1.5/27.9	48
GD880-51-1710-6-LC	1710	2052	1600	1642	1500	1283	1200		29.7/2.1/31.8	
GD880-51-1853-6-LC	1853	2223	1800	1778	1600	1391	1300		32.1/2.1/34.2	
GD880-51-2280-6-LC	2280	2736	2200	2189	2000	1710	1600	4*A8LC	39.6/2.8/42.4	64
GD880-51-2470-6-LC	2470	2964	2400	2371	2200	1854	1800		42.8/2.8/45.6	
GD880-51-3020-6-LC	3020	3626	2800	2899	2600	2265	2200	6*A8LC	52.8/3.0/55.8	96
GD880-51-3420-6-LC	3420	4104	3200	3283	3000	2565	2400		59.4/4.2/63.6	
GD880-51-3705-6-LC	3705	4446	3600	3557	3200	2782	2600		64.2/4.2/68.4	
GD880-51-4940-6-LC	4940	5928	4800	4744	4400	3709	3600	8*A8LC	85.6/5.6/91.2	128
GD880-51-6175-6-LC	6175	7410	6000	5930	5500	4636	4500	10*A8LC	107/7.0/114.2	160

U_N=690V (range: 520-690V). The power ratings are valid at nominal voltage 690V (2283kW).										
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation C/a/T kW	Rated water flow L/min
	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-61-2000-6-LC	2000	2450	2283	2352	2192	1833	1708	D3D	11	16

U_N=690V (range: 520-690V). The power ratings are valid at nominal voltage 690V (315-1000kW).										
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation C/a/T kW	Rated water flow L/min
	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)			
GD880-11-0340-6-LC	340	408	315	326	315	255	250	A8LC	5.8/0.4/6.2	16
GD880-11-0410-6-LC	410	492	400	394	355	308	315		7.0/0.4/7.4	
GD880-11-0530-6-LC	530	636	500	509	450	398	355		9.0/0.5/9.5	
GD880-11-0646-6-LC	646	775	630	619	630	485	500	2*A8LC	11.6/0.8/12.4	32
GD880-11-0779-6-LC	779	935	800	748	710	585	560		14.0/0.8/14.8	
GD880-11-1007-6-LC	1007	1208	1000	967	900	756	710		18.0/1.0/19.0	

Note: c = power loss dissipated in the coolant.
a = power loss dissipated in the air.
T = total power loss.
The above losses are unit losses only and do not include reactor losses.

Frame size	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
A8LC	910	230	538	85
D3D	427	600	204	40

Note:
Nominal ratings: I_N, Rated current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{Ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{Hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

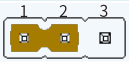
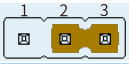
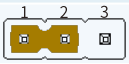
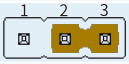
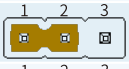
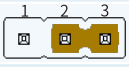
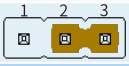
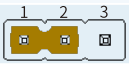
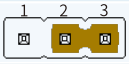
Control unit

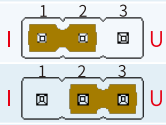
GD880 – ICU - 11

Description	Example
Abbreviation of product series	GD880: GD880 series engineering VFD
Control unit type	ICU: Inverter control unit TCU: Basic rectifier control unit RCU: Regenerative rectifier control unit ACU: Active rectifier control unit DCU: DC/DC control unit BCU: 3PH braking control unit
Master-slave	1: Master/slave interface (Rectification without master-slave)
Unit connection	1: One power unit (rectifier /inverter units) 2: Two power units (regenerative /active rectifier units) 3: Three power units (basic rectifier units or inverter units) 4: Four power units (regenerative /active rectifier units) 6: Six power units (rectifier /inverter units) A: Ten power units (active rectifier /inverter units)

Control unit interface description

Terminal NO.	Terminal identification	Terminal Description	Cable specifications
Input power supply			
1	+24E	24Vdc±10%2A	Two-core twisted-pair cable is recommended Cross-sectional area: 0.5-2.5mm²
2	CM		
Digital input			
1	DI1	1. Input impedance: 3.3kΩ 2. Voltage input range: 12-30V 3. Supports NPN and PNP bi- direction input, relay contact input 4. Max. input frequency: 1kHz	Single-core wire Cross-sectional area: 0.5- 2.5mm²
2	DI2		
3	DI3		
4	DI4		
5	DI5		
6	DI6		

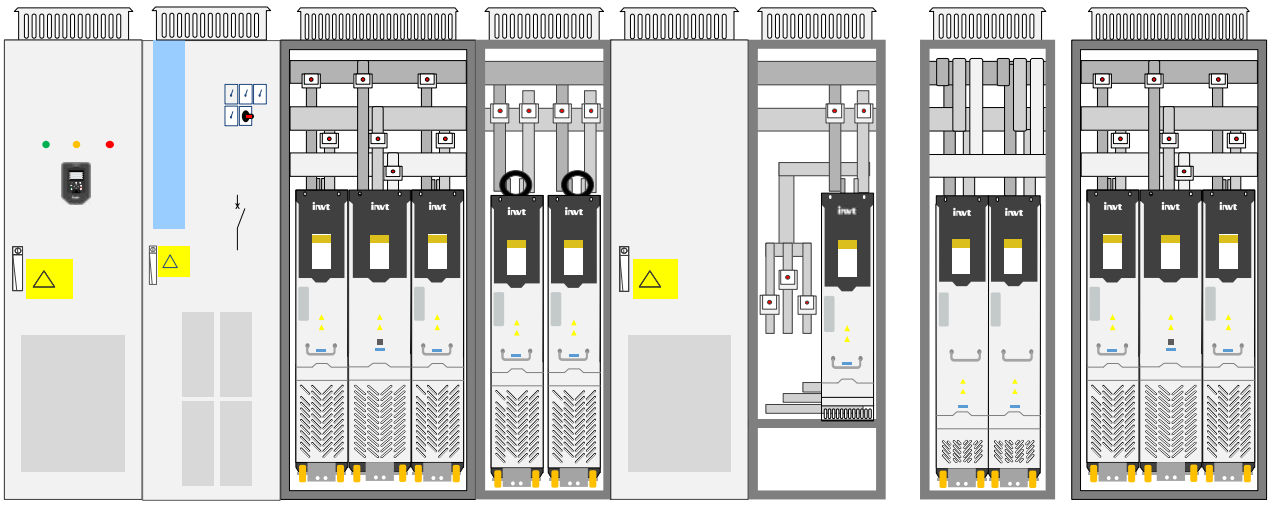
Terminal NO.	Terminal identification	Terminal Description	Cable specifications
DIL			
1	DIL	Digital interlocking: When its input is high, all other input terminals are forced to be invalid	Two-core twisted-pair cable is recommended Cross-sectional area: 0.5-2.5mm²
2	PW	Provides power supply for DIL, DI1–DI6, HDI, HDO	
3	COM	Digital input Common ground	
Jumper J10: Power selection			
		When pin 1 and pin 2 are short-circuited, i.e. the PW and internal COM are connected, DI uses the internal power ground. If the external power supply is used, the shorting cap should be removed.	
		When pin 2 and pin 3 are short-circuited, i.e. the PW and internal +24Vare connected, DI uses the internal power. If the external power supply is used, the shorting cap should be removed.	
HDIO			
1	+24	1. Input Type: PNP, NPN 2. Input frequency range: 0-50kHz 3. Input Voltage range: 12-30V 4. Duty cycle: 30%-70%	Two-core twisted-pair cable is recommended. Cross-sectional area: 0.5–2.5mm² HDI and COM, HDO and COM use twisted-pair cables.
2	HDI1		
3	HDI2		
4	COM	1. Output Type: OC 2. Output frequency range: 0-50kHz 3. Max. output load: 20mA/30V 4. Duty ratio: 50%	
5	HDO1		
6	HDO2		
485 Communication terminal			
1	485+	RS485 bus, standard 5V level Terminal resistance: 120 Ω Maximum Baud Rate: 115200 Maximum nodes: 32 (without relay)	Two-core twisted-pair cable is recommended. Cross-sectional area: 0.5-2.5mm²
2	485-		
3	PE		
Jumper J8: Terminal resistance selection			
		When 1 and 2 are short-circuited, the terminal resistor is disconnected.	
		When 2 and 3 are short-circuited, the terminal resistor is connected.	
Analog input terminal			
1	-10V	Positive and negative 10V power supply Max.	When two AIs are used, use two two-core shielded twisted-paircables. When reference voltage is used, use one four-core shielded twisted-pair cable for one AI.
2	+10V	output current: 10mA	
3	AI1+	Current input: -20mA- 20mA, Rin: 500Ω Voltage input: -10V–10V, Rin: 30kΩ Differential input range: ±30V Sampling interval: 0.1ms Resolution: 11 bit+signbit	
4	AI1-		
5	AI2+		
6	AI2-		
Jumper J4: Selection between AI1 voltage and current signal inputs			
		When 1 and 2 are short-circuited, AI1 current input is used.	
		When 2 and 3 are short-circuited, AI1 voltage input is used.	
Jumper J5: Selection between AI2 voltage and current signal inputs			
		When 1 and 2 are short-circuited, AI2 current input is used.	
		When 2 and 3 are short-circuited, AI2 voltage input is used.	
Analog output terminal			
Analog output	AO1	AO output range:0–20mA, Rload≤ 500Ω 0–10V, Rload≥10kΩ Resolution: 11 bit+signbit Accuracy: 2% of full scale range	Two-core twisted-pair cable is recommended. Cross-sectional area: 0.5–2.5mm² AO1 and GND, AO2 and GND use twisted-pair cables.
	GND		
	AO2		
Jumper J6: Selection between AO1 voltage and current signal outputs			
		When 1 and 2 are short-circuited, AO1 current output is used.	
		When 2 and 3 are short-circuited, AO1 voltage output is used.	

Terminal NO.	Terminal identification	Terminal Description	Cable specifications
Jumper J7: AO2 voltage or current signal output selection			
		Short circuit between 1 and 2, AO2 current output	
		Short circuit between 2 and 3, AO2 voltage output	
Relay 1 output terminal			
1	RO1A	Output type: passive normally open and normally closed contacts Contact parameters: 250Vac/30Vdc, 3A	Single core wire cross-sectional area: 0.5-2.5mm²
2	RO1B		
3	RO1C		
Relay 2 output terminal			
1	RO2A	open and normally closed contacts Contact parameters: 250Vac/30Vdc, 3A	Single core wire cross-sectional area: 0.5-2.5mm²
2	RO2B		
3	RO2C		
Relay 3 output terminal			
1	RO3A	open and normally closed contacts Contact parameters: 250Vac/30Vdc, 3A	Single core wire cross-sectional area: 0.5-2.5mm²
2	RO3B		
3	RO3C		
Master-slave optical fiber			
1	TX	Sending (fiber-optic communication)	Fiber optic
2	RX	Receive (fiber-optic communication)	
Safety torque interrupt			
1	STO1	Inverter module safety torque interrupt input Factory default short circuit	Recommend using 4-core twisted pair cables cross-sectional area: 0.5-2.5mm²
2	+24V		
3	STO2		
4	+24V		
RJ45 for panel			
1	RJ45	Connect SOP-880 panel	CAT 6
RJ45 for Ethernet			
1	RJ45	Communicate with PC	CAT 6

Options

Option type	Type	Category	Specification Data
Feedback interface module	EC-PG805-24-PTH	HTL encoder module	Supporting open collector, push-pull, and differential encoders, and pulse reference and frequency-divided output Supporting PT100 based temperature detection
	EC-PG805-05-PTH	TTL encoder module	Supporting differential or RS422 signal input encoders, and pulse reference and frequency-divided output Supporting PT100 based temperature detection
	EC-PG804-PTH	Resolver encoder module	Rotary transformer type encoder; 10/20KHz optional, supports KTY84 or PT100 temperature detection
Communication module	EC-TX803	Profibus-DP communication module	Profibus-DP, 9.6Kbit-12Mbit/S
	EC-TX809	Profinet IO communication module	Profinet IO, 100Mbit/S
	EC-TX809U	Multifunctional EtherNet module	Powerlink、Profinet、EtherNet/IP、Modbus TCP、EtherCAT
Fiber optic module	EC-TX821	1-channel fiber-optic module	1-channel 50M fiber-optic module
	EC-TX823	3-channel fiber-optic module	3-channel 50M fiber-optic module
I/O module	EC-IO801	I/O module	3DI+2AI+2AO+1RO
Voltage detection module	IVDM-10	AC voltage detection module	0-100VAC or 0-690VAC
	IVDM-20	DC voltage detection module	0-1000VDC

Cabinet code description



Control cabinet (CU) | Incoming cabinet (LCM) | Active rectifier cabinet (ASU) | Inverter cabinet (INV) | Combiner cabinet (ACC) | Braking cabinet (BKC) | Basic rectifier cabinet (TSU) | Regenerative rectifier cabinet (RSU)

Name	Code	Size (W*H*D)	Description
Incoming cabinet (LCM)	LCM11	400*2140*650	800A circuit breaker cabinet
	LCM12	400*2140*650	1000A circuit breaker cabinet
	LCM13	400*2140*650	1250A circuit breaker cabinet
	LCM14	400*2140*650	1600A circuit breaker cabinet
	LCM25	600*2140*650	2000A circuit breaker cabinet
	LCM26	600*2140*650	2500A circuit breaker cabinet
	LCM27	600*2140*650	3200A circuit breaker cabinet
	LCM58	1000*2140*650	4000A circuit breaker cabinet
	LCM59	1000*2140*650	5000A circuit breaker cabinet
	LCM5A	1000*2140*650	6300A circuit breaker cabinet
Control cabinet (CU)	CU1X	400*2140*650	X:Control unit quantity, no more than 3
	CU2X	600*2140*650	X:Control unit quantity, no more than6
Basic rectifier cabinet (TSU)	TSU11	400*2140*650	Basic rectifier cabinet 1 (1*D8T)
	TSU22	600*2140*650	Basic rectifier cabinet 2 (2*D8T)
	TSU33	800*2140*650	Basic rectifier cabinet 3 (3*D8T)
Regenerative rectifier cabinet (RSU)	RSU21	600*2140*650	Regenerative rectifier cabinet 1 (A8+L)
	RSU42	850*2140*650	Regenerative rectifier cabinet 2 (2*A8+L)
Active rectifier cabinet (ASU)	ASU21	600*2140*650	Active rectifier cabinet 1 (A8+LCL)
	ASU42	850*2140*650	Active rectifier cabinet 2 (2*A8+LCL)
Inverter cabinet (INV)	INV11	400*2140*650	Inverter cabinet (A6i~A8i)
	INV22	600*2140*650	Inverter cabinet (2*A8i)
	INV33	800*2140*650	Inverter cabinet (3*A8i)
Braking cabinet (BKC)	BKC21	600*2140*650	3PH braking cabinet
Combiner cabinet	ACC20	600*2140*650	Mainly used for bus connection and motor output cable convergency

GD880-76 basic rectifier cabinet (TSU)

U_N=400V (range: 380-480V).The power ratings are valid at nominal voltage 400V (475-3616kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
6 pulse													
GD880-76-0718-4	718	879	1142	497	475	844	456	659	356	LCM11+TSU11	2.8	1500	800*2140*650
GD880-76-0980-4	980	1200	1560	680	648	1154	623	901	487	LCM12+TSU11	3.0	1500	800*2140*650
GD880-76-1336-4	1336	1635	2126	926	883	1570	848	1226	662	LCM14+TSU22	5.6	3000	1000*2140*650
GD880-76-1822-4	1822	2232	2902	1263	1205	2143	1157	1670	902	CU11+LCM25+TSU22	6.0	3000	1600*2140*650
GD880-76-2734-4	2734	3348	4353	1895	1808	3214	1736	2504	1352	CU11+LCM27+TSU33	9.0	4500	1800*2140*650
GD880-76-3645-4	3645	4464	5804	2525	2411	4285	2314	3339	1803	CU11+LCM58+2*TSU22	12.0	6000	2600*2140*650
GD880-76-4556-4	4556	5580	7254	3156	3013	5357	2893	4174	2254	CU11+LCM59+TSU33+TSU22	15.0	7500	2800*2140*650
GD880-76-5467-4	5467	6696	8705	3788	3616	6428	3471	5009	2705	CU11+LCM5A+2*TSU33	18.0	9000	3000*2140*650
12 pulse													
GD880-76-1336-4 (12DF)	1336	1635	2126	926	883	1570	848	1226	662	2*LCM11+TSU22	5.6	3000	1400*2140*650
GD880-76-1822-4 (12DF)	1822	2232	2902	1263	1205	2143	1157	1670	902	2*LCM12+TSU22	6.0	3000	1400*2140*650
GD880-76-2672-4 (12DF)	2672	3273	4255	1852	1767	3142	1697	2455	1325	2*LCM14+2*TSU22	11.2	2*3000	2000*2140*650
GD880-76-3645-4 (12DF)	3645	4464	5804	2525	2408	4285	2314	3339	1803	CU12+2*LCM25+2*TSU22	12.0	2*3000	2800*2140*650
GD880-76-4008-4 (12DF)	4008	4906	6377	2777	2649	4709	2543	3679	1987	CU12+2*LCM26+2*TSU33	16.8	2*4500	3200*2140*650
GD880-76-5467-4 (12DF)	5467	6696	8705	3788	3616	6428	3471	5009	2705	CU12+2*LCM27+2*TSU33	18.0	2*4500	3200*2140*650

U_N=690V (range: 520-690V).The power ratings are valid at nominal voltage 690V (650-5183kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
6 pulse													
GD880-76-0570-6	570	698	907	682	650	670	624	523	487	LCM11+TSU11	2.5	1500	800*2140*650
GD880-76-0815-6	815	998	1297	974	929	958	892	748	697	LCM12+TSU11	2.8	1500	800*2140*650
GD880-76-1061-6	1061	1299	1688	1268	1210	1247	1161	974	907	LCM13+TSU22	5.0	3000	1000*2140*650
GD880-76-1515-6	1515	1854	2411	1810	1727	1780	1658	1391	1295	LCM14+TSU22	5.6	3000	1000*2140*650
GD880-76-2273-6	2273	2782	3617	2716	2591	2671	2488	2087	1944	CU11+LCM26+TSU33	8.4	4500	1800*2140*650
GD880-76-3031-6	3031	3710	4823	3622	3456	3561	3317	2782	2592	CU11+LCM27+2*TSU22	11.2	6000	2200*2140*650
GD880-76-3788-6	3788	4636	6027	4527	4319	4451	4146	3477	3239	CU11+LCM58+TSU22+TSU33	14.0	7500	2800*2140*650
GD880-76-4546-6	4546	5564	7233	5433	5183	5341	4976	4173	3887	CU11+LCM59+2*TSU33	16.8	9000	3000*2140*650
12 pulse													
GD880-76-1061-6 (12DF)	1061	1299	1688	1268	1210	1247	1161	974	907	2*LCM11+TSU22	5.0	3000	1400*2140*650
GD880-76-1515-6 (12DF)	1515	1854	2411	1810	1727	1780	1658	1391	1295	2*LCM12+TSU22	5.6	3000	1400*2140*650
GD880-76-2122-6 (12DF)	2122	2597	3376	2536	2419	2493	2323	1948	1814	2*LCM13+2*TSU22	10.0	2*3000	2000*2140*650
GD880-76-3031-6 (12DF)	3031	3710	4823	3622	3456	3561	3317	2782	2592	2*LCM14+2*TSU22	11.2	2*3000	2000*2140*650
GD880-76-4546-6 (12DF)	4546	5564	7233	5433	5183	5341	4976	4173	3887	CU12+2*LCM27+2*TSU33	16.8	2*4500	3200*2140*650

Note:
Nominal ratings: I_N, Rated output current available continuously without overloadability at 40 °C. I_{max}, Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
Light overload use: I_{ld}, Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
Heavy overload use: I_{hd}, Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.

GD880-86 regenerative rectifier cabinet (RSU)

U_N=400V (range: 380-480V).The power ratings are valid at nominal voltage 400V (161-3513kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
GD800-86-0245-4	245	299	389	169	161	287	155	224	121	RSU31	2.2	1000	800*2140*650
GD800-86-0299-4	299	365	475	206	197	351	189	274	148	RSU31	2.7	1000	800*2140*650
GD800-86-0349-4	349	426	555	241	230	410	221	320	172	RSU31	2.9	1000	800*2140*650
GD800-86-0395-4	395	483	628	273	261	464	250	362	195	RSU31	3.3	1000	800*2140*650
GD800-86-0516-4	516	631	820	357	341	606	327	473	255	RSU31	4.3	1000	800*2140*650
GD880-86-0640-4	640	783	1018	443	423	752	406	587	317	LCM11+RSU21	4.9	2500	1000*2140*650
GD800-86-0757-4	757	923	1201	522	497	886	478	692	373	LCM11+RSU21	5.2	2500	1000*2140*650
GD880-86-0900-4	900	1102	1432	624	595	1057	571	826	446	LCM12+RSU21	6.9	2500	1000*2140*650
GD880-86-1180-4	1180	1445	1879	818	780	1387	749	1081	584	LCM13+RSU42	8.4	4000	1250*2140*650
GD880-86-1770-4	1770	2168	2818	1226	1171	2081	1124	1622	876	CU11+LCM25+RSU42	12.2	4000	1850*2140*650
GD880-86-2360-4	2360	2890	3758	1636	1560	2774	1498	2162	1168	CU11+LCM26+2*RSU42	16.8	8000	2700*2140*650
GD880-86-3540-4	3540	4336	5636	2452	2342	4162	2248	3244	1752	CU11+LCM58+2*RSU42	24.4	8000	3100*2140*650
GD880-86-5310-4	5310	6504	8454	3678	3513	6243	3372	4866	2628	CU11+LCM5A+3*RSU42	36.6	12000	3950*2140*650

U_N=690V (range: 520-690V).The power ratings are valid at nominal voltage 690V (685-6057kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
GD880-86-0600-6	600	734	955	717	685	705	657	550	512	LCM11+RSU21	5.4	2500	1000*2140*650
GD880-86-0900-6	900	1102	1432	1076	1027	1058	986	824	768	LCM12+RSU21	7.2	2500	1000*2140*650
GD880-86-1180-6	1180	1445	1879	1410	1346	1387	1292	1081	1007	LCM13+RSU42	9.3	4000	1250*2140*650
GD880-86-1770-6	1770	2168	2818	2115	2019	2081	1939	1622	1510	CU11+LCM25+RSU42	12.3	4000	1850*2140*650
GD880-86-2360-6	2360	2890	3758	2820	2692	2774	2584	2162	2014	CU11+LCM26+2*RSU42	18.6	8000	2700*2140*650
GD880-86-3540-6	3540	4336	5636	4230	4038	4162	3878	3244	3020	CU11+LCM58+2*RSU42	24.6	8000	3100*2140*650
GD880-86-5310-6	5310	6504	8454	6345	6057	6243	5817	4866	4530	CU11+LCM5A+3*RSU42	36.9	12000	3950*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.

GD880-96 active rectifier cabinet (ASU)

U_N=400V (range: 380-480V).The power ratings are valid at nominal voltage 400V (151-3169kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
GD880-96-0220-4	220	252	327	153	151	242	145	189	113	ASU31	4.5	1000	800*2140*650
GD880-96-0260-4	260	297	386	180	178	285	171	222	133	ASU31	5.3	1000	800*2140*650
GD880-96-0312-4	312	357	464	216	214	342	205	268	161	ASU31	6.4	1000	800*2140*650
GD880-96-0395-4	395	452	587	274	271	433	260	339	203	ASU31	8.1	1000	800*2140*650
GD880-96-0516-4	516	590	767	358	354	565	339	442	265	ASU31	10.6	1000	800*2140*650
GD880-96-0615-4	615	703	914	426	422	675	405	528	317	LCM11+ASU21	12.7	3000	1000*2140*650
GD880-96-0681-4	681	772	1004	468	463	740	444	578	347	LCM11+ASU21	13.9	3000	1000*2140*650
GD880-96-0810-4	810	927	1205	562	556	888	533	695	417	LCM12+ASU21	16.7	3000	1000*2140*650
GD880-96-0980-4	980	1121	1457	679	673	1074	646	840	504	LCM12+ASU42	20.2	4500	1250*2140*650
GD880-96-1168-4	1168	1336	1737	810	802	1283	769	1003	602	LCM13+ASU42	24.1	4500	1250*2140*650
GD880-96-1295-4	1295	1466	1906	897	888	1406	844	1098	659	LCM14+ASU42	26.6	4500	1250*2140*650
GD880-96-1539-4	1539	1761	2289	1067	1056	1687	1013	1320	792	LCM14+ASU42	31.7	4500	1250*2140*650
GD880-96-2336-4	2336	2672	3474	1620	1604	2566	1538	2006	1204	CU11+LCM26+2*ASU42	48.1	9000	2700*2140*650
GD880-96-3078-4	3078	3521	4578	2134	2113	3374	2026	2640	1584	CU11+LCM27+2*ASU42	63.4	9000	2700*2140*650
GD880-96-4617-4	4617	5278	6867	3201	3169	5061	3039	3960	2376	CU11+LCM59+3*ASU42	95.1	13500	3950*2140*650

U_N=690V (range: 520-690V).The power ratings are valid at nominal voltage 690V (437-6070kW).													
Drive type	Nominal ratings					Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_N A(DC)	I_{max} A(DC)	S_N kVA	P_N kW	I_{LD} A(DC)	P_{LD} kW	I_{HD} A(DC)	P_{HD} kW				
GD880-96-0369-6	369	422	549	441	437	406	420	316	328	LCM11+ASU21	13.1	3000	1000*2140*650
GD880-96-0477-6	477	545	708	570	564	523	541	409	423	LCM11+ASU21	16.9	3000	1000*2140*650
GD880-96-0540-6	540	617	803	645	639	592	613	463	479	LCM11+ASU21	19.2	3000	1000*2140*650
GD880-96-0701-6	701	802	1043	839	830	770	797	602	623	LCM11+ASU42	24.9	4500	1250*2140*650
GD880-96-0906-6	906	1036	1346	1082	1072	994	1029	777	804	LCM12+ASU42	32.2	4500	1250*2140*650
GD880-96-1026-6	1026	1173	1525	1226	1214	1126	1165	880	910	LCM13+ASU42	36.4	4500	1250*2140*650
GD880-96-1402-6	1402	1604	2086	1678	1660	1540	1594	1204	1246	LCM14+2*ASU42	49.8	9000	2100*2140*650
GD880-96-2052-6	2052	2346	3050	2452	2428	2252	2330	1760	1820	CU11+LCM26+2*ASU42	72.8	9000	2700*2140*650
GD880-96-3078-6	3078	3519	4575	3679	3642	3378	3495	2640	2730	CU11+LCM27+3*ASU42	109.2	13500	3550*2140*650
GD880-96-4140-6	4140	4692	6100	4905	4856	4504	4660	3520	3640	CU11+LCM59+4*ASU42	145.6	18000	4800*2140*650
GD880-96-5130-6	5130	5865	7625	6131	6070	5630	5825	4400	4550	CU11+LCM5A+5*ASU42	182.0	21500	5650*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.

GD880-56 inverter cabinet (INV)

U_N=400V (range: 380-480V).The power ratings are valid at nominal voltage 400V (110-3000kW).											
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_{max} A(AC)	P_N kW	I_{LD} A(AC)	P_{LD} kW	I_{HD} A(AC)	P_{HD} kW				
GD880-56-0245-4	245	294	110	236	110	184	90	INV11	1.8	1000	400*2140*650
GD880-56-0299-4	299	358	132	287	132	224	110	INV11	2.2	1000	400*2140*650
GD880-56-0349-4	349	419	160	335	160	262	132	INV11	2.6	1000	400*2140*650
GD880-56-0395-4	395	474	200	380	200	296	160	INV11	3.2	1000	400*2140*650
GD880-56-0516-4	516	619	250	495	250	387	200	INV11	5.2	1000	400*2140*650
GD880-56-0639-4	639	766	355	613	315	479	250	CU11+INV11	6.8	1500	800*2140*650
GD880-56-0757-4	757	909	400	727	355	568	315	CU11+INV11	8.0	1500	800*2140*650
GD880-56-0900-4	900	1080	500	864	450	675	355	CU11+INV11	10.0	1500	800*2140*650
GD880-56-0975-4	975	1170	560	936	500	731	400	CU11+INV11	10.6	1500	800*2140*650
GD880-56-1213-4	1213	1456	710	1165	630	910	500	CU11+INV22	13.6	3000	1000*2140*650
GD880-56-1439-4	1439	1727	800	1381	710	1079	630	CU11+INV22	16.0	3000	1000*2140*650
GD880-56-1710-4	1710	2052	1000	1642	900	1283	710	CU11+INV22	20.0	3000	1000*2140*650
GD880-56-1852-4	1852	2222	1100	1778	1000	1389	800	CU11+INV22	21.2	3000	1000*2140*650
GD880-56-2158-4	2158	2590	1200	2072	1100	1619	900	CU11+INV33	24.0	4500	1200*2140*650
GD880-56-2565-4	2565	3078	1400	2462	1300	1924	1000	CU11+INV33	30.0	4500	1200*2140*650
GD880-56-2778-4	2778	3333	1500	2668	1400	2083	1100	CU11+INV33	31.8	4500	1200*2140*650
GD880-56-3420-4	3420	4104	2000	3283	1800	2565	1400	CU11+2*INV22	40.0	6000	1600*2140*650
GD880-56-3704-4	3704	4444	2200	3557	2000	2778	1600	CU11+2*INV22	42.4	6000	1600*2140*650
GD880-56-4316-4	4630	5180	2400	4144	2200	3238	1800	CU11+2*INV33	53.0	7500	2000*2140*650
GD880-56-5130-4	5130	6156	2800	4925	2600	3848	2000	CU11+2*INV33	60.0	9000	2000*2140*650
GD880-56-5556-4	5556	6666	3000	5335	2800	4167	2200	CU11+2*INV33	63.6	9000	2000*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.
*The control cabinet is optional and used when the inverter cabinet is supplied separately. When multiple inverter cabinets are used together or combined with a rectifier, select the corresponding control cabinet based on the number of control units.

U_N=690V (range: 520-690V).The power ratings are valid at nominal voltage 690V (55-6500kW).											
Drive type	Nominal ratings			Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_N A(AC)	I_{max} A(AC)	P_N kW	I_{LD} A(AC)	P_{LD} kW	I_{HD} A(AC)	P_{HD} kW				
GD880-56-0062-6	62	74	55	60	55	46	45	INV11	0.9	1000	400*2140*650
GD880-56-0082-6	82	98	75	79	75	61	55	INV11	1.2	1000	400*2140*650
GD880-56-0099-6	99	118	90	95	90	74	75	INV11	1.4	1000	400*2140*650
GD880-56-0125-6	125	150	110	120	110	94	90	INV11	1.8	1000	400*2140*650
GD880-56-0144-6	144	173	132	138	132	108	110	INV11	2.1	1000	400*2140*650
GD880-56-0192-6	192	230	160	184	160	144	132	INV11	2.8	1000	400*2140*650
GD880-56-0217-6	217	259	200	215	200	162	160	INV11	3.2	1000	400*2140*650
GD880-56-0270-6	270	323	250	260	250	202	200	INV11	4.0	1000	400*2140*650
GD880-56-0340-6	340	408	315	326	315	255	250	INV11	5.1	1000	400*2140*650
GD880-56-0410-6	410	492	400	394	355	308	315	CU11+INV11	6.2	1500	800*2140*650
GD880-56-0530-6	530	636	500	509	450	398	355	CU11+INV11	8.0	1500	800*2140*650
GD880-56-0600-6	600	720	560	576	500	450	400	CU11+INV11	9.1	1500	800*2140*650
GD880-56-0650-6	650	780	630	624	560	488	450	CU11+INV11	10.3	1500	800*2140*650
GD880-56-0720-6	720	864	710	690	630	540	500	CU11+INV11	11.7	1500	800*2140*650
GD880-56-0779-6	779	935	800	748	710	585	560	CU11+INV22	12.4	3000	1000*2140*650
GD880-56-1007-6	1007	1208	1000	967	900	756	710	CU11+INV22	16.0	3000	1000*2140*650
GD880-56-1140-6	1140	1368	1100	1094	1000	855	800	CU11+INV22	18.2	3000	1000*2140*650
GD880-56-1235-6	1235	1482	1200	1186	1100	927	900	CU11+INV22	20.6	3000	1000*2140*650
GD880-56-1368-6	1368	1642	1300	1313	1200	1026	1000	CU11+INV22	22.5	3000	1000*2140*650
GD880-56-1510-6	1510	1813	1400	1450	1300	1133	1100	CU11+INV33	24.0	4500	1200*2140*650
GD880-56-1710-6	1710	2052	1600	1642	1500	1283	1200	CU11+INV33	27.3	4500	1200*2140*650
GD880-56-1853-6	1853	2223	1800	1778	1600	1391	1300	CU11+INV33	30.9	4500	1200*2140*650
GD880-56-2052-6	2052	2462	2000	1967	1800	1539	1500	CU11+INV33	32.3	4500	1200*2140*650
GD880-56-2280-6	2280	2736	2200	2189	2000	1710	1600	CU11+2*INV22	36.4	6000	1600*2140*650
GD880-56-2470-6	2470	2964	2400	2371	2200	1854	1800	CU11+2*INV22	41.2	6000	1600*2140*650
GD880-56-2736-6	2736	3283	2600	2627	2400	2052	2000	CU11+2*INV22	45.0	6000	1600*2140*650
GD880-56-3020-6	3020	3626	2800	2899	2600	2265	2200	CU11+2*INV33	48.0	9000	2000*2140*650
GD880-56-3420-6	3420	4104	3200	3283	3000	2565	2400	CU11+2*INV33	54.6	9000	2000*2140*650
GD880-56-3705-6	3706	4446	3600	3557	3200	2782	2600	CU11+2*INV33	61.8	9000	2000*2140*650
GD880-56-4104-6	4104	4925	4000	3934	3600	3078	3000	CU11+2*INV33	64.6	9000	2000*2140*650
GD880-56-4940-6	4940	5928	4800	4742	4400	3708	3600	CU11+4*INV22	82.4	12000	2800*2140*650
GD880-56-5472-6	5472	6566	5200	5244	4800	4104	4000	CU11+4*INV22	93.6	12000	2800*2140*650
GD880-56-6175-6	6175	7410	6000	5930	5500	4636	4500	CU11+5*INV22	103.0	15000	3400*2140*650
GD880-56-6840-6	6840	8208	6500	6555	6000	5130	5000	CU11+5*INV22	117.0	15000	3400*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.
*The control cabinet is optional and used when the inverter cabinet is supplied separately. When multiple inverter cabinets are used together or combined with a rectifier, select the corresponding control cabinet based on the number of control units.

GD880-46 braking cabinet (BKC)

U_N=400V (range: 380-480V). The power ratings are valid at nominal voltage 400V (500-750kW).													
Drive type	Resistor values		U_{br}	Nominal ratings			Duty cycle use (1min/5min)			Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	ohm		V	I_{DC} A(DC)	I_{rms} A(AC)	P_N kW	I_{DC} A(DC)	I_{rms} A(AC)	P_{HB} kW				
GD880-46-0500-4	R_{min}	1.7	653	781	310	500	999	351	640	BKC21	1.5	1500	600*2140*650
	R_{max}	2.1	653	650	258	416	832	291	530		1.3	1500	
GD880-46-0750-4	R_{min}	1.2	653	1171	465	750	1499	527	960	BKC21	2.4	1500	600*2140*650
	R_{max}	1.4	653	975	387	624	1249	436	800		2.0	1500	

U_N=690V (range: 520-690V). The power ratings are valid at nominal voltage 690V (870-1300kW).													
Drive type	Resistor values		U_{br}	Nominal ratings			Duty cycle use (1min/5min)			Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	ohm		V	I_{DC} A(DC)	I_{rms} A(AC)	P_N kW	I_{DC} A(DC)	I_{rms} A(AC)	P_{HB} kW				
GD880-46-0870-6	R_{min}	3.0	1126	781	310	870	999	351	1100	BKC21	1.6	1500	600*2140*650
	R_{max}	3.6	1126	650	258	725	832	291	920		1.4	1500	
GD880-46-1300-6	R_{min}	2.0	1126	1171	465	1300	1499	527	1655	BKC21	2.5	1500	600*2140*650
	R_{max}	2.4	1126	975	387	1080	1249	436	1390		2.1	1500	

Note:
Power: P_N: Max. continuous braking power. P_{HB}: Short-time braking power that last for 1 minute within successive 5 minutes (with empty load in the other 4 minutes).
Current: I_{DC}: Total input current of the braking unit. I_{rms}: Total root mean square value of DC output phase current of the braking unit.
Resistor: R_{min}: Min. value allowed by each-phase braking resistor. R_{max}: Max. value allowed by each-phase braking resistor.

GD880-16 single-drive cabinet

Drive type	Nominal ratings				Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_t A(AC)	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)				
U_N=400V (range 380 to 440 V). The power ratings are valid at nominal voltage 400V (355 to 1100kW) (11A8 frame)												
GD880-16-0639-4	556	639	766	355	613	315	479	250	16S4	7.5	1500	800*2300*650
GD880-16-0757-4	627	757	909	400	727	400	568	315		9.5		
GD880-16-0900-4	783	900	1080	500	864	450	675	355		10.7		
GD880-16-0975-4	878	975	1170	560	945	500	731	400		12.0		
GD880-16-1213-4	1112	1213	1456	710	1165	630	910	500	16S5	15.0	3000	1400*2300*650
GD880-16-1439-4	1254	1439	1727	800	1381	800	1079	630		19.0		
GD880-16-1710-4	1566	1710	2052	1000	1642	900	1283	710		21.4		
GD880-16-1852-4	1720	1852	2222	1100	1795	1000	1388	800		24.0		
U_N=400V (range 380 to 440 V). The power ratings are valid at nominal voltage 400V (55 to 500kW) (E frame)												
GD880-16-0115-4	128	115	138	55	115	55	92	45	16S6	1.2	752	600*2200*650
GD880-16-0150-4	139	150	180	75	150	75	115	55		1.5		
GD880-16-0180-4	168	180	216	90	180	90	150	75		1.8		
GD880-16-0215-4	201	215	258	110	215	110	180	90	16S7	2.2	850	800*2200*650
GD880-16-0260-4	265	260	312	132	260	132	215	110		2.8		
GD880-16-0305-4	310	305	366	160	305	160	260	132		3.2	1443	
GD880-16-0340-4	345	340	408	185	340	185	305	160		3.7		
GD880-16-0380-4	385	380	456	200	380	200	340	185	16S8	4.0	2697	800*2200*650
GD880-16-0425-4	430	425	510	220	425	220	380	200		4.2		
GD880-16-0480-4	460	480	576	250	480	250	425	220		4.9		
GD880-16-0530-4	500	530	636	280	530	280	480	250	16S9	6.7		800*2200*650
GD880-16-0600-4	580	600	720	315	600	315	530	280		7.0		
GD880-16-0650-4	625	650	780	355	650	355	600	315		7.8		
GD880-16-0720-4	715	720	864	400	720	400	650	355	16S10	8.3		800*2200*650
GD880-16-0820-4	840	820	984	450	820	450	720	400		9.1		
GD880-16-0860-4	890	860	1032	500	860	500	820	450		9.5		
U_N=690V (range 520 to 690 V). The power ratings are valid at nominal voltage 690V (400 to 1300kW) (11A8 frame)												
GD880-16-0410-6	364	410	492	400	394	355	308	315	16S4	9.5	1500	800*2300*650
GD880-16-0530-6	455	530	636	500	509	450	398	355		10.8		
GD880-16-0600-6	509	600	720	560	576	500	450	400		12.1		
GD880-16-0650-6	573	650	780	630	624	560	488	450		13.4		
GD880-16-0720-6	645	720	864	710	690	630	540	500		15.0		
GD880-16-0779-6	727	779	935	800	748	710	585	560	16S5	19.0	3000	1400*2300*650
GD880-16-1007-6	910	1007	1208	1000	967	900	756	710		21.6		
GD880-16-1140-6	1000	1140	1368	1100	1094	1000	855	800		24.2		
GD880-16-1235-6	1090	1235	1482	1200	1186	1100	927	900		26.0		
GD880-16-1368-6	1182	1368	1642	1300	1313	1200	1026	1000		30.0		

Drive type	Nominal ratings				Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_t A(AC)	I_N A(AC)	I_{max} A(AC)	P_N kW(AC)	I_{LD} A(AC)	P_{LD} kW(AC)	I_{HD} A(AC)	P_{HD} kW(AC)				
U_N=400V (range 380 to 440 V). The power ratings are valid at nominal voltage 400V (710 to 2200kW) (Multi frame)												
GD880-16-1213-4	1112	1213	1456	710	1165	630	910	500	CU12+LCM13+TSU22+INV22	16.6	6000	2000*2140*650
GD880-16-1439-4	1254	1439	1727	800	1381	710	1079	630	CU12+LCM13+TSU22+INV22	21.6	6000	2000*2140*650
GD880-16-1710-4	1566	1710	2052	1000	1642	900	1283	710	CU12++LCM14+TSU22+INV22	26.0	6000	2000*2140*650
GD880-16-1852-4	1720	1852	2222	1100	1778	1000	1389	800	CU12+LCM25+TSU22+INV22	28.6	6000	2200*2140*650
GD880-16-2158-4	1880	2158	2590	1200	2072	1100	1619	900	CU12+LCM25+TSU22+INV33	30.0	7500	2400*2140*650
GD880-16-2565-4	2139	2565	3078	1400	2462	1300	1924	1000	CU12+LCM26+TSU33+INV33	39.0	9000	2600*2140*650
GD880-16-2778-4	2316	2778	3333	1500	2668	1400	2083	1100	CU12+LCM26+TSU33+INV33	42.1	9000	2600*2140*650
GD880-16-3420-4	3132	3420	4104	2000	3283	1800	2565	1400	CU12+LCM27+2*TSU22+2*INV22	49.0	10500	3400*2140*650
GD880-16-3704-4	3392	3704	4444	2200	3557	2000	2778	1600	CU12+LCM58+2*TSU22+2*INV22	52.9	12000	3800*2140*650
U_N=690V (range 520 to 690 V). The power ratings are valid at nominal voltage 690V (800 to 3200kW) (Multi frame)												
GD880-16-0779-6	727	779	935	800	748	710	584	560	CU12+LCM12+TSU11+INV22	16.9	4500	1800*2140*650
GD880-16-1007-6	910	1007	1208	1000	967	900	756	710	CU12+LCM13+TSU22+INV22	21.1	6000	1800*2140*650
GD880-16-1140-6	1000	1140	1368	1100	1094	1000	855	800	CU12+LCM13+TSU22+INV22	23.2	6000	2000*2140*650
GD880-16-1235-6	1090	1235	1482	1200	1186	1100	927	900	CU12+LCM14+TSU22+INV22	26.0	6000	2000*2140*650
GD880-16-1368-6	1182	1368	1642	1300	1313	1200	1026	1000	CU12+LCM14+TSU22+INV22	27.5	6000	2000*2140*650
GD880-16-1510-6	1272	1510	1813	1400	1450	1300	1133	1100	CU12+LCM14+TSU22+INV33	29.5	7500	2200*2140*650
GD880-16-1710-6	1453	1710	2052	1600	1642	1500	1283	1200	CU12+LCM14+TSU22+INV33	32.9	7500	2200*2140*650
GD880-16-1853-6	1574	1853	2223	1800	1778	1600	1391	1300	CU12+LCM25+TSU22+INV33	35.3	7500	2400*2140*650
GD880-16-2052-6	1816	2052	2462	2000	1967	1800	1539	1500	CU12+LCM26+TSU33+INV33	41.7	9000	2600*2140*650
GD880-16-2280-6	2000	2280	2736	2200	2189	2000	1710	1600	CU12+LCM26+TSU33+2*INV22	45.8	10500	3000*2140*650
GD880-16-2470-6	2180	2470	2964	2400	2372	2200	1854	1800	CU12+LCM27+TSU33+2*INV22	52.2	10500	3000*2140*650
GD880-16-2736-6	2276	2736	3284	2600	2627	2400	2052	2000	CU12+LCM27+TSU33+2*INV22	57.8	10500	3000*2140*650
GD880-16-3020-6	2544	3020	3626	2800	2899	2600	2265	2200	CU12+LCM27+2*TSU22+2*INV33	59.0	15000	3800*2140*650
GD880-16-3420-6	2906	3420	4104	3200	3283	3000	2565	2400	CU12+LCM58+2*TSU22+2*INV33	65.8	15000	4200*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.

GD880-26 active rectifier variable frequency cabinet

U_N=400V (range 380 to 480V). The power ratings are valid at nominal voltage 400V (110 to 2200kW).												
Drive type	Nominal ratings				Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_I A(AC)	I_N A(AC)	I_{max} A(AC)	P_N kW	I_{LD} A(AC)	P_{LD} kW	I_{HD} A(AC)	P_{HD} kW(AC)				
GD880-26-0245-4	167	245	294	110	236	110	184	90	26S2	6.3	1000	800*2140*650
GD880-26-0299-4	200	299	358	132	287	132	224	110	26S2	6.7	1000	800*2140*650
GD880-26-0349-4	243	349	419	160	335	160	262	132	26S2	9.0	1000	800*2140*650
GD880-26-0395-4	304	395	474	200	380	200	296	160	26S2	9.6	1000	800*2140*650
GD880-26-0516-4	380	516	619	250	495	250	387	200	26S2	13.3	1000	800*2140*650
GD880-26-0639-4	539	639	766	355	613	315	479	250	CU12+LCM11+ASU21+INV11	19.5	4500	1800*2140*650
GD880-26-0757-4	607	757	909	400	727	355	568	315	CU12+LCM11+ASU21+INV11	20.7	4500	1800*2140*650
GD880-26-0900-4	759	900	1080	500	864	450	675	355	CU12+LCM12+ASU21+INV11	23.9	4500	1800*2140*650
GD880-26-0975-4	850	975	1170	560	936	500	731	400	CU12+LCM12+ASU21+INV11	27.0	4500	1800*2140*650
GD880-26-1213-4	957	1213	1456	710	1165	630	910	500	CU12+LCM12+ASU42+INV22	33.8	7500	2250*2140*650
GD880-26-1439-4	1215	1439	1727	800	1381	710	1079	630	CU12+LCM13+ASU42+INV22	40.1	7500	2250*2140*650
GD880-26-1710-4	1519	1710	2052	1000	1642	900	1283	710	CU12+LCM14+ASU42+INV22	51.7	7500	2250*2140*650
GD880-26-1852-4	1519	1852	2222	1100	1778	1000	1389	800	CU12+LCM14+ASU42+INV22	52.9	7500	2250*2140*650
GD880-26-2158-4	1822	2158	2590	1200	2072	1100	1619	900	CU12+LCM25+2*ASU42+INV33	72.1	13500	3500*2140*650
GD880-26-2565-4	2126	2565	3078	1400	2462	1300	1924	1000	CU12+LCM26+2*ASU42+INV33	78.1	13500	3500*2140*650
GD880-26-2778-4	2278	2778	3333	1500	2668	1400	2083	1100	CU12+LCM26+2*ASU42+INV33	79.9	13500	3500*2140*650
GD880-26-3420-4	2734	3420	4104	2000	3283	1800	2565	1400	CU12+LCM27+2*ASU42+2*INV22	103.3	15000	3900*2140*650
GD880-26-3704-4	3037	3704	4444	2200	3557	2000	2776	1600	CU12+LCM27+2*ASU42+2*INV22	105.7	15000	3900*2140*650

U_N=690V (range 520 to 690V). The power ratings are valid at nominal voltage 690V (400 to 2400kW).												
Drive type	Nominal ratings				Light overload use		Heavy overload use		Frame size	Heat dissipation kW	Air flow m^3/h	Size (W*H*D)
	I_I A(AC)	I_N A(AC)	I_{max} A(AC)	P_N kW	I_{LD} A(AC)	P_{LD} kW	I_{HD} A(AC)	P_{HD} kW(AC)				
GD880-26-0410-6	352	410	492	400	394	355	308	315	CU12+LCM11+ASU21+INV11	19.4	4500	1800*2140*650
GD880-26-0530-6	440	530	636	500	509	450	398	355	CU12+LCM11+ASU21+INV11	24.9	4500	1800*2140*650
GD880-26-0600-6	493	600	720	560	576	500	450	400	CU12+LCM11+ASU21+INV11	27.3	4500	1800*2140*650
GD880-26-0650-6	555	650	780	630	624	560	488	450	CU12+LCM11+ASU21+INV11	36.0	4500	1800*2140*650
GD880-26-0720-6	625	720	864	710	690	630	540	500	CU12+LCM11+ASU42+INV11	36.6	6000	2050*2140*650
GD880-26-0779-6	704	779	935	800	748	710	585	560	CU12+LCM12+ASU42+INV22	37.3	7500	2250*2140*650
GD880-26-1007-6	880	1007	1208	1000	967	900	756	710	CU12+LCM13+ASU42+INV22	48.2	7500	2250*2140*650
GD880-26-1140-6	968	1140	1368	1100	1094	1000	855	800	CU12+LCM13+ASU42+INV22	50.4	7500	2250*2140*650
GD880-26-1235-6	1057	1235	1482	1200	1186	1100	927	900	CU12+LCM14+ASU42+INV22	57.0	7500	2250*2140*650
GD880-26-1368-6	1145	1368	1642	1300	1313	1200	1026	1000	CU12+LCM14+2*ASU42+INV22	72.1	12000	3100*2140*650
GD880-26-1510-6	1233	1510	1813	1400	1450	1300	1133	1100	CU12+LCM14+2*ASU42+INV33	73.6	13500	3300*2140*650
GD880-26-1710-6	1409	1710	2052	1600	1642	1500	1283	1200	CU12+LCM14+2*ASU42+INV33	76.9	13500	3300*2140*650
GD880-26-1853-6	1585	1853	2223	1800	1778	1600	1391	1300	CU12+LCM25+2*ASU42+INV33	103.7	13500	3500*2140*650
GD880-26-2052-6	1761	2052	2462	2000	1967	1800	1539	1500	CU12+LCM26+2*ASU42+INV33	105.1	13500	3500*2140*650
GD880-26-2280-6	1936	2280	2736	2200	2189	2000	1710	1600	CU12+LCM26+2*ASU42+2*INV22	109.2	15000	3900*2140*650
GD880-26-2470-6	2052	2470	2964	2400	2371	2200	1854	1800	CU12+LCM26+2*ASU42+2*INV22	114.0	15000	3900*2140*650

Note:
Nominal ratings: I_N indicates the continuous operating current without overload at 40°C, while I_{max} indicates max. output current.
Light overload use: I_{LD} indicates the light overload continuous operating current. 110%*I_{LD} is allowed for 1 minute every 5 minutes at 40°C.
Heavy overload use: I_{HD} indicates the heavy overload continuous operating current. 150% *I_{HD} is allowed for 1 minute every 5 minutes at 40°C.

Feature and option list

Code	Voltage and power ranges 4:4-3000kW 6:55-6300kW	GD880-56 inverter cabinet	GD880-76 basic rectifier cabinet	GD880-86 regenerative rectifier cabinet	GD880-96 active rectifier cabinet	GD880-46 3PH braking cabinet	GD880-09C DC/DC cabine	GD880-16 variable frequency cabinet	GD880-36 regenerative rectifier variable frequency cabinet	GD880-26 active rectifier variable frequency cabinet
Degree of protention										
C120	IP20 (UL open type)	●	●	●	●	●	●	●	●	●
C121	IP21 (UL type1)	□	□	□	□	□	□	□	□	□
C142	IP42 (UL type1)	□	□	□	□	□	□	□	□	□
C154	IP54 (UL type12)	□	□	□	□	□	□	□	□	□
Mounting										
C201	Normal base (100mm)	□	□	□	□	□	□	□	□	□
C202	Cable base (200mm)	□	□	□	□	□	□	□	□	□
C211	Lifting ring	□ ①	□ ①	□ ①	□ ①	□ ①	□ ①	□ ①	□ ①	□ ①
C212	Lifting lintel	● ①	● ①	● ①	● ①	● ①	● ①	● ①	● ①	● ①
C213	Air outlet to pipe	□	□	□	□	□	□	□	□	□
Incoming unit apparatus										
E100	Air circuit breaker	-	● ②	● ②	● ②	-	-	● ②	● ②	● ②
E101	Drawer type circuit breaker	-	□ ③	□ ③	□ ③	-	-	□ ③	□ ③	□ ③
E102	Line contactor	-	-	□ ④	□ ④	-	-	□ ④	□ ④	□ ④
E103	Insulation detector	-	□	□	□	-	□	□	□	□
E104	Safety relay	-	□	□	□	-	-	□	□	□
E105	DC switch	□	-	-	-	-	□	-	-	-
E106	Cabinet lighting	●	●	●	●	●	●	●	●	●
E107	Cabinet heater	□	□	□	□	□	□	□	□	□
E108	Incoming cabinet voltmeter	-	□	□	□	-	-	□	□	□
E109	Incoming cabinet Ammeter	-	□	□	□	-	-	□	□	□
E110	AC fuse (aR)	-	□ ⑤	□ ⑤	□ ⑤	-	-	□ ⑤	□ ⑤	□ ⑤
E111	Motor fan output (1.0-1.6A)	□	□	□	□	-	-	□	□	□
E112	Motor fan output (1.6-2.5A)	□	□	□	□	-	-	□	□	□
E113	Motor fan output (2.4-4.0A)	□	□	□	□	-	-	□	□	□
E114	Motor fan output (4.0-6.0A)	□	□	□	□	-	-	□	□	□
E115	Motor fan output (6.0-10A)	□	□	□	□	-	-	□	□	□
E116	Motor fan output (10-16A)	□	□	□	□	-	-	□	□	□
E117	Motor fan output (16-20A)	□	□	□	□	-	-	□	□	□
E118	Motor fan output (20-25A)	□	□	□	□	-	-	□	□	□
Filter/Reactor										
-	Regenerative filter	-	-	●	-	-	-	-	-	●
-	LCL	-	-	-	●	-	-	-	●	-
E203	Line reactor	-	●	-	-	-	-	● ⑥	-	-
E205	Output reactor	● ⑦	-	-	-	-	-	● ⑦	● ⑦	● ⑦
E121	Sine filter	□	-	-	-	-	-	□	□	□
Cabling										
C221	Cabling supply bottom entry	-	●	●	●	-	-	●	●	●
C222	Cabling supply top entry	●	□ ⑧	□ ⑧	□ ⑧	●	●	□ ⑧	□ ⑧	□ ⑧
C223	Cabling inverter bottom exit	●	□	□	□	●	●	●	●	●
C224	Cabling inverter top exit	□ ⑨	●	●	●	-	□	□ ⑨	□ ⑨	□ ⑨
C225	Motor common cable connection cabinet (Cabinet confluence)	□	-	-	-	-	-	□	□	□

Code	Voltage and power ranges 4:4-3000kW 6:55-6300kW	GD880-56 inverter cabinet	GD880-76 basic rectifier cabinet	GD880-86 regenerative rectifier cabinet	GD880-96 active rectifier cabinet	GD880-46 3PH braking cabinet	GD880-09C DC/DC cabine	GD880-16 variable frequency cabinet	GD880-36 regenerative rectifier variable frequency cabinet	GD880-26 active rectifier variable frequency cabinet
PG module										
HTL encoder module	EC-PG805-24-PTH	□	-	-	-	-	-	□	□	□
TTL encoder module	EC-PG805-05-PTH	□	-	-	-	-	-	□	□	□
Resolver encoder module	EC-PG804-PTH	□	-	-	-	-	-	□	□	□
Communication module										
PROFINET IO communication module	EC-TX809	□	□	□	□	□	□	□	□	□
PROFIBUS-DP communication module	EC-TX803	□	□	□	□	□	□	□	□	□
CANopen communication module	EC-TX805	□	□	□	□	□	□	□	□	□
I/O module										
I/O module	EC-IO801	□	□	□	□	□	□	□	□	□
Other module options										
1-channel fiber optic module	EC-TX821	□	□	●	●	□	●	□	●	●
3-channel fiber optic module	EC-TX823	□	□	□	□	□	□	□	□	□
DC voltage detection module	IVDM-20	-	-	-	-	-	●	-	-	-
AC voltage detection module	IVDM-10	□	-	●	●	-	-	□	●	●
Product documentation										
D801	Customer use documents (electrical /wiring/layout diagrams) in PDF	●	●	●	●	●	●	●	●	●
D802	Language: Chinese	●	●	●	●	●	●	●	●	●
D803	Language: English	□	□	□	□	□	□	□	□	□
D804	FAT ex-factory inspection report	□	□	□	□	□	□	□	□	□
D805	Operation manuals (in paper)	□	□	□	□	□	□	□	□	□
D806	CAD files (electrical/wiring/layout drawings)	□	□	□	□	□	□	□	□	□

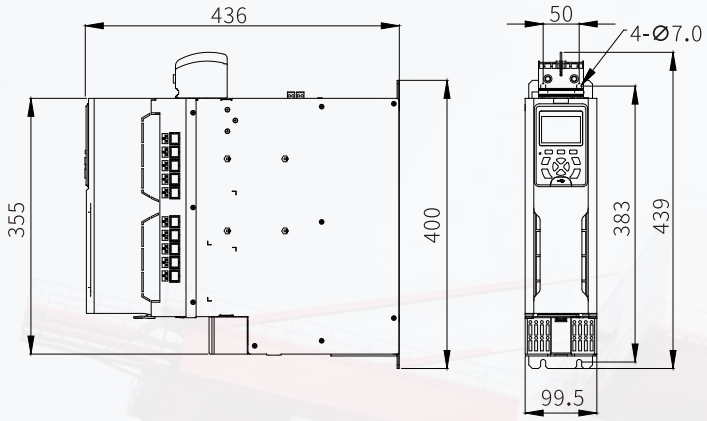
Note

- \- Notapplicable
- ● Standard
- □ Optional, with floating price

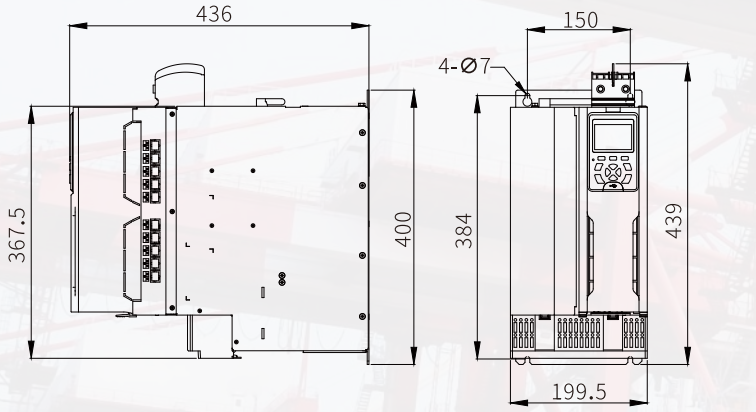
① Single cabinet products are equipped with lifting rings as standard, while combination cabinet products are equipped with lifting lintels as standard.
② Products below 800A are equipped with isolation switches as standard, and 800A–1600A (inclusive) products are equipped with molded case circuit breaker as standard. Products above 1600A are equipped with fixed circuit breaker as standard.
③ Drawer-type circuit breakers are optional for 2000A and above products.
④ Products above 800A do not support optional AC contactors, and GD880 single-drive cabinet 16S4 and 16S5 do not supports the optional configuration of AC contactors.
⑤ The single-drive cabinet 16S5 does not support optional installation of AC quick fuses.
⑥ Input reactor: only for -16 products. Standard configuration for rectifier unit using D8T frame, optional for other frames.
⑦ Output reactor: standard configuration for A8 and above frames, optional forother frames.
⑧ Top entry of cables: optional for A8 and above frames, which may involves cabinet size increase.
⑨ Top exit of cables: optional for A8 and above frames, which may involves cabinet size increase.

Mounting dimensions

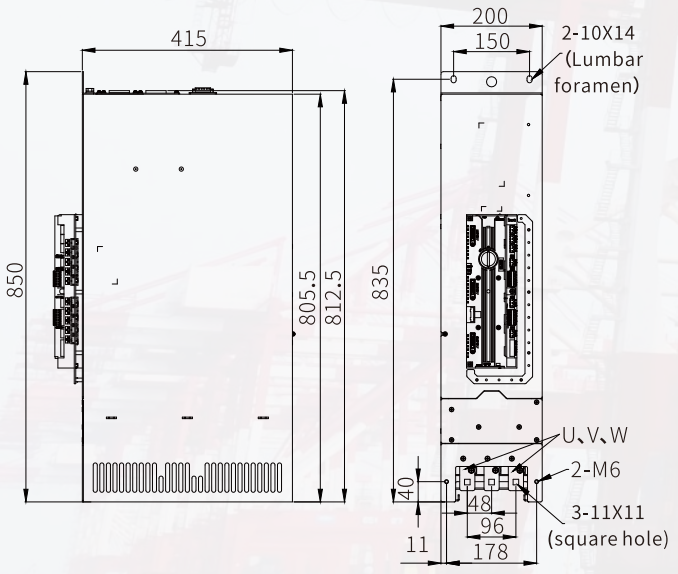
Unit: mm



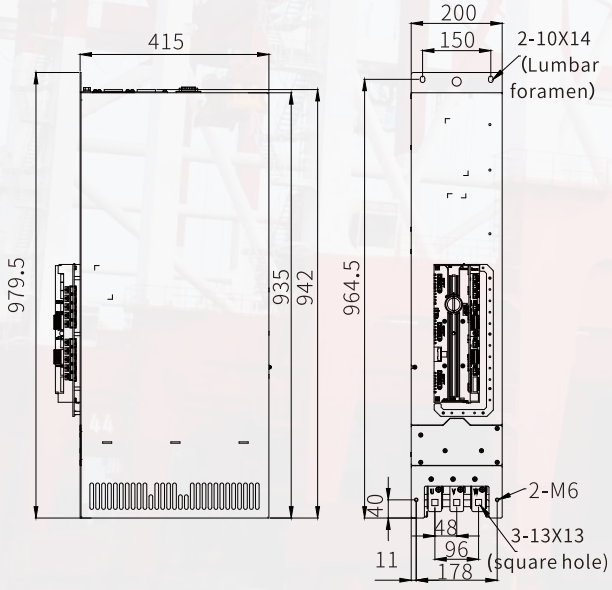
A1i-A3i/A1-A3



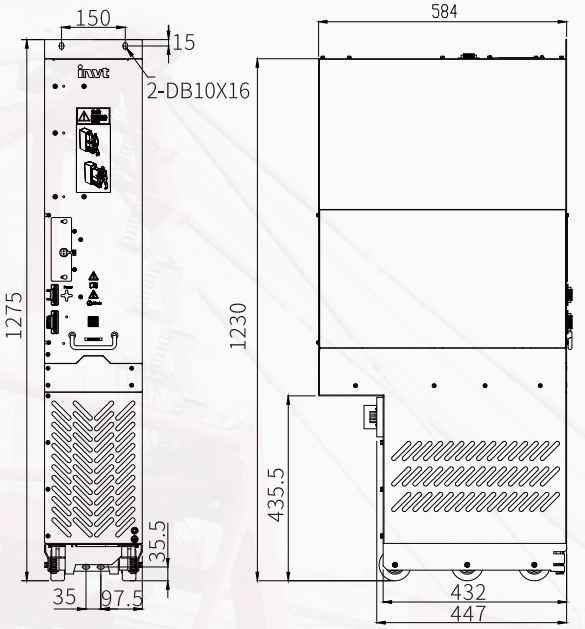
A4i/A4



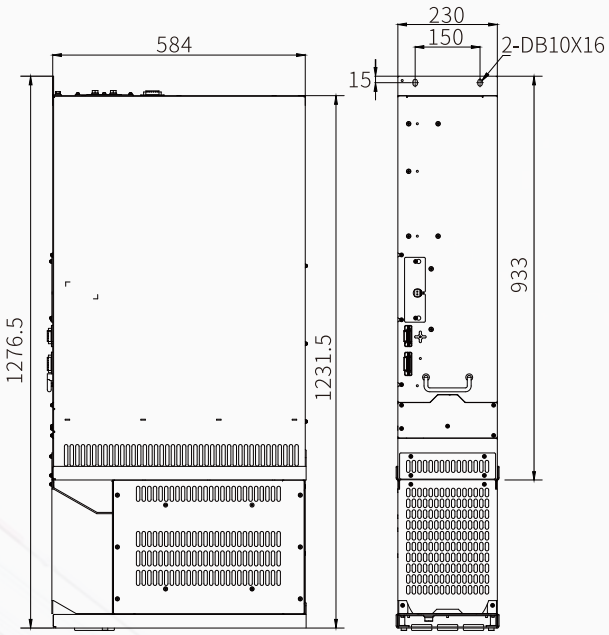
A6i/A6



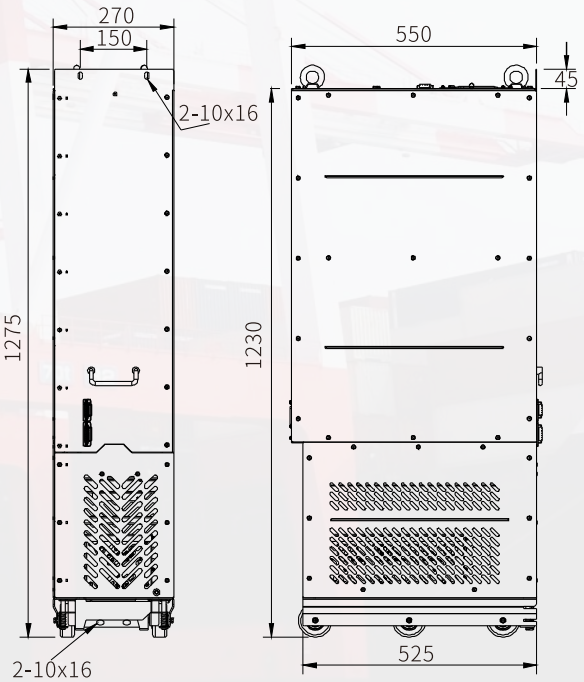
A7i/A7



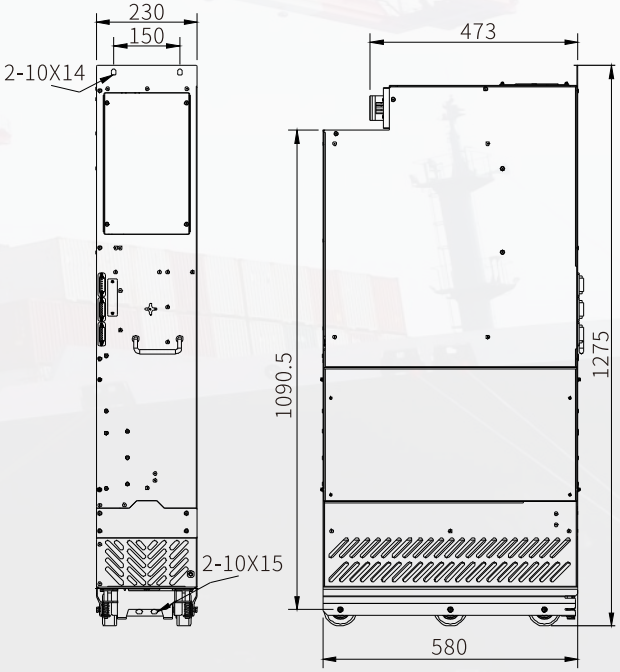
A8i/A8



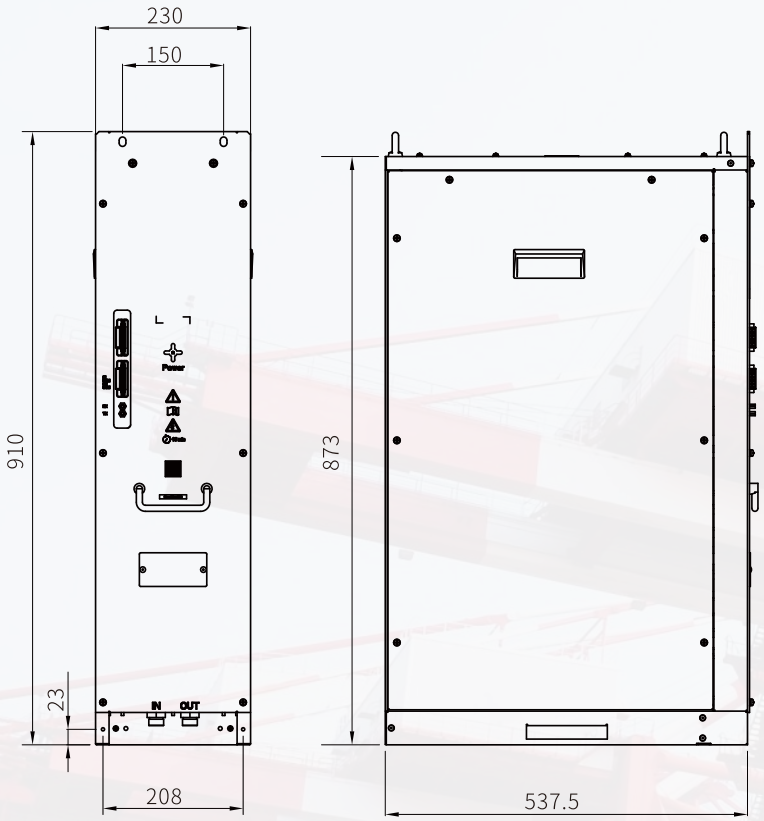
A8n/A8L2 (Note: The height of A8N is 933 mm)



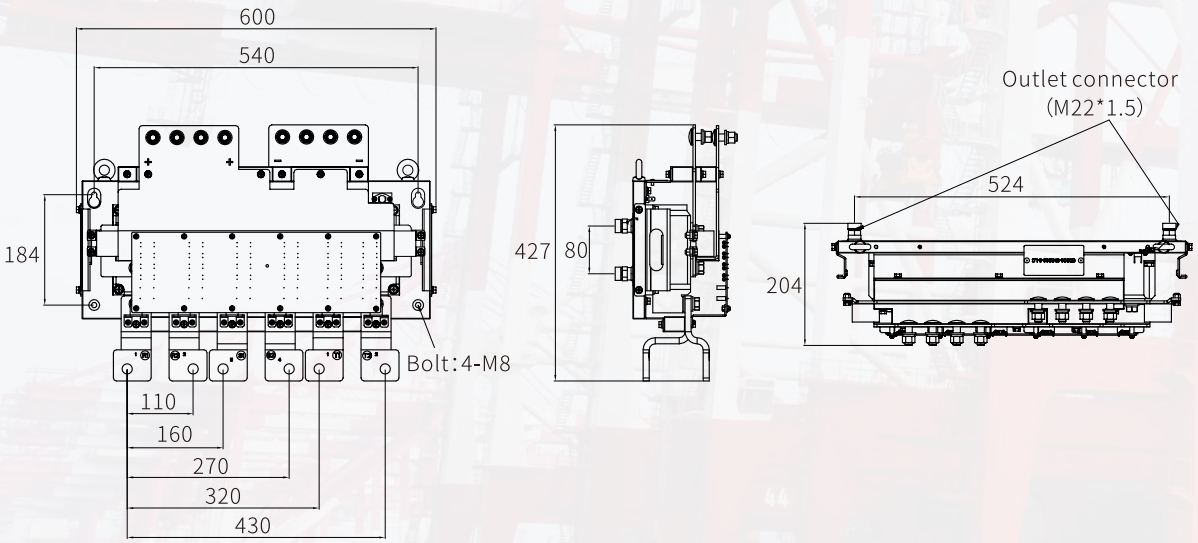
L/LCL filter unit



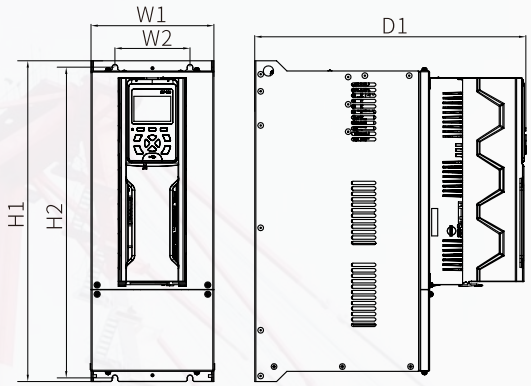
D8T



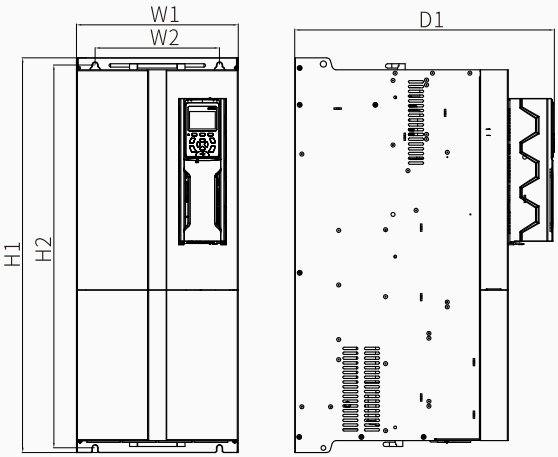
Liquid-cooling inverter unit



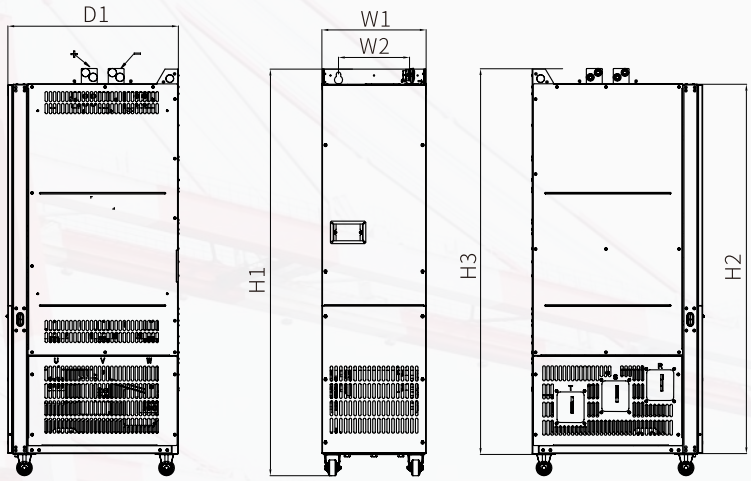
Liquid-cooling rectifier unit



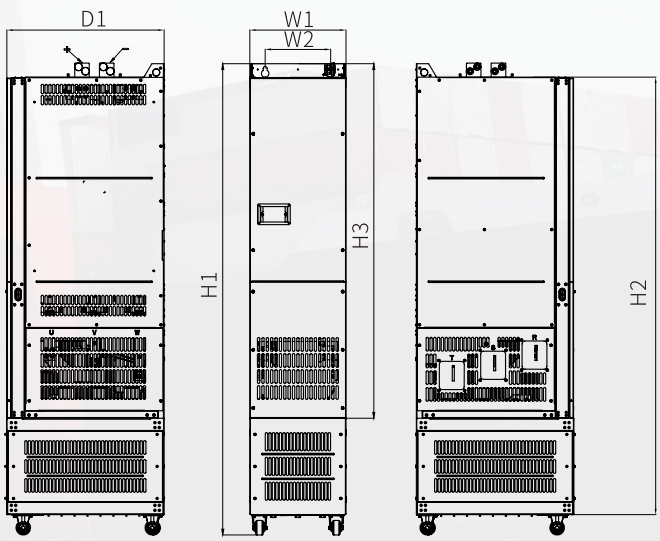
E3-E4



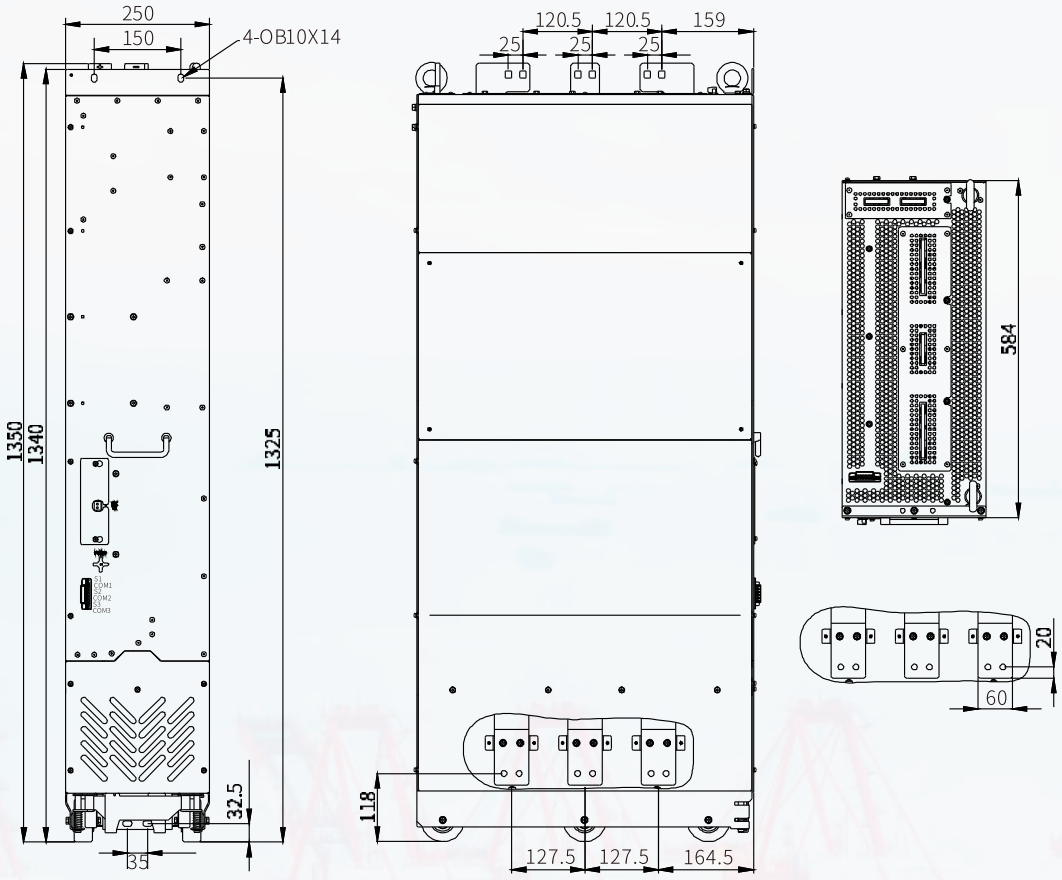
E5-E9



E11-E12



E11 (-L3) - E12 (-L3)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150
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1350
1340
1325
32.5
35
120.5
120.5
159
25
25
25
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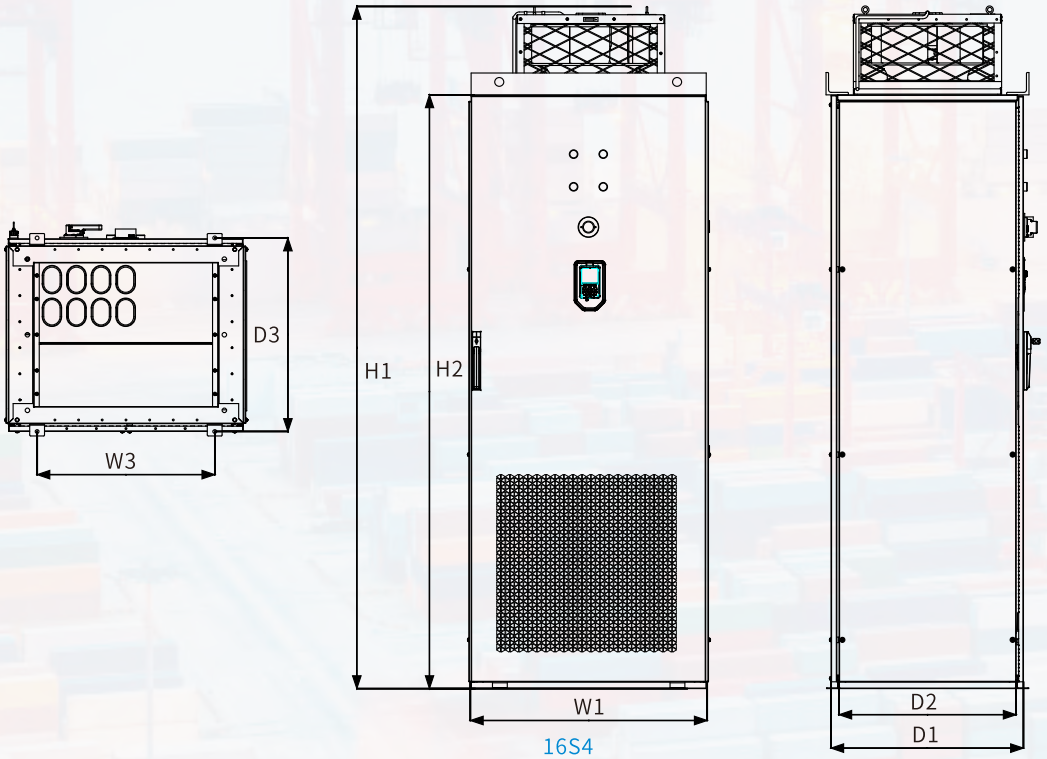
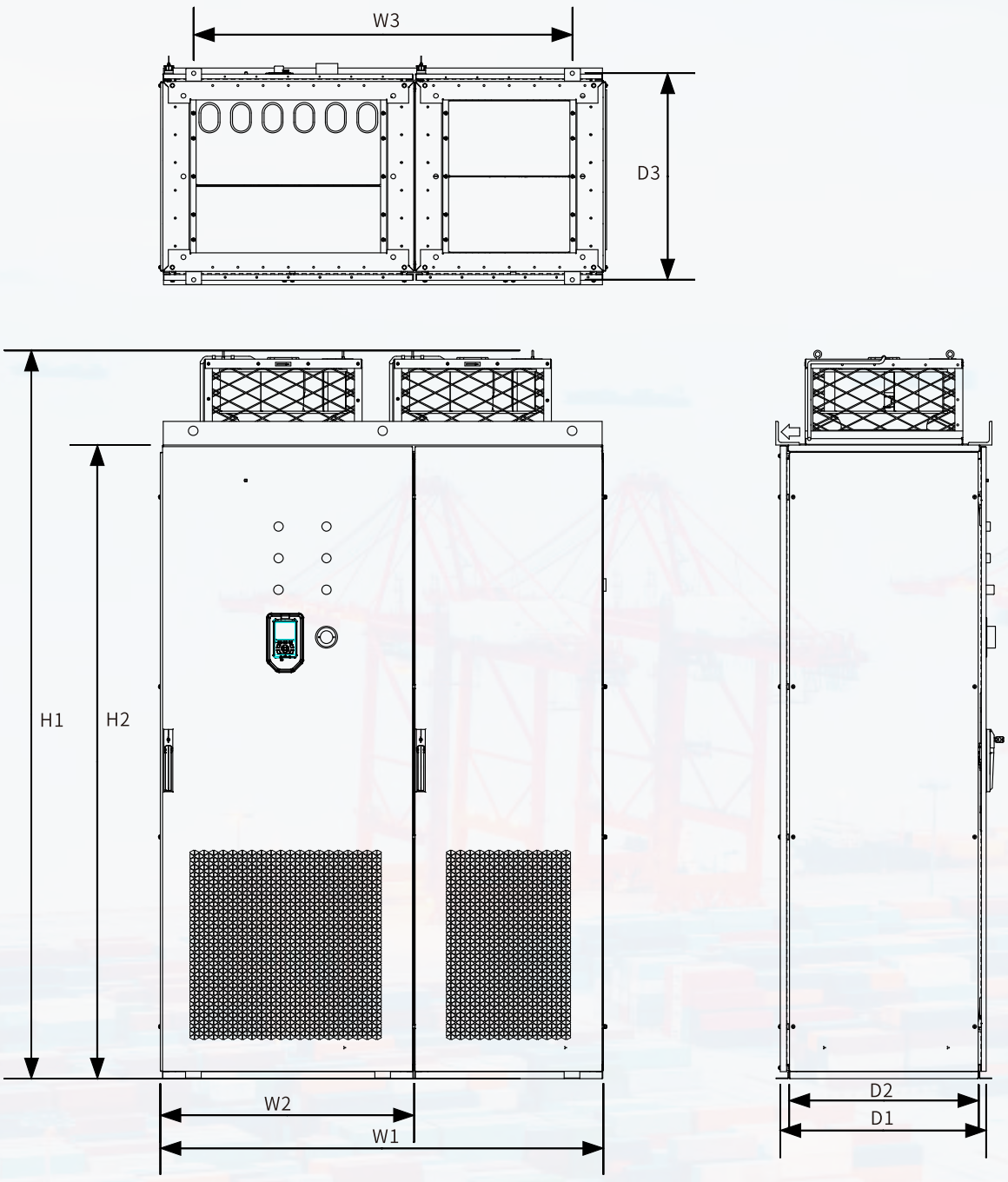
20
60
118
127.5
127.5
164.5

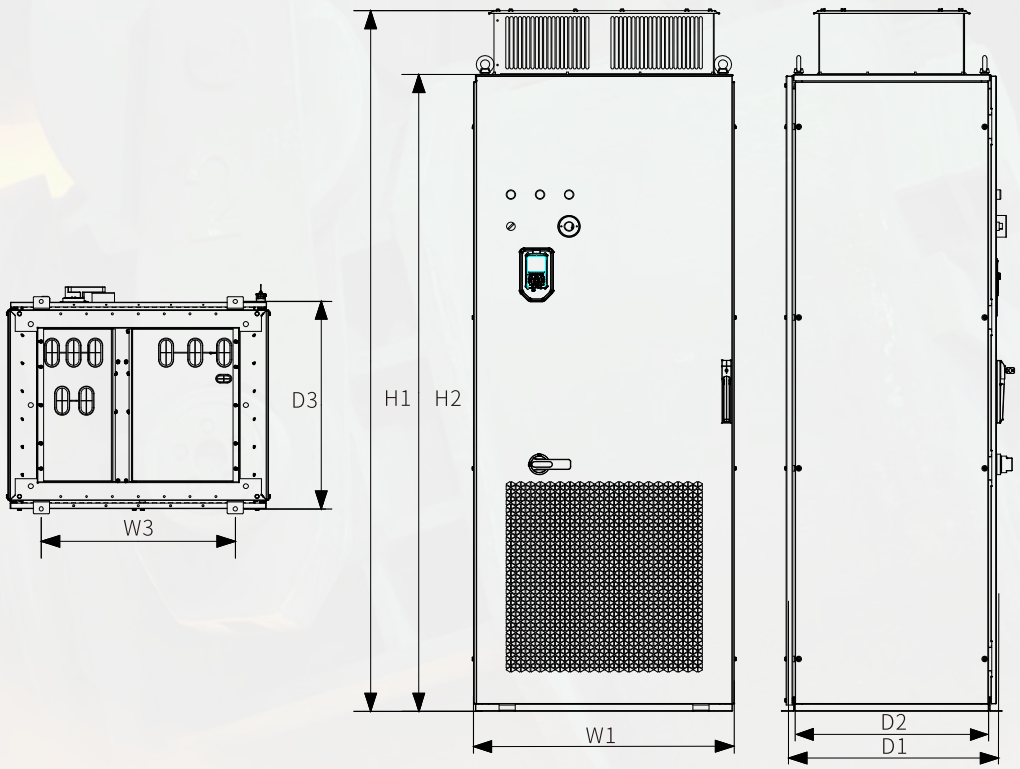
11A8


D3
W3
H1
H2
W1
D2
D1

16S4



16S5



16S6- 16S10

VFD frame	Outline dimensions (mm)			Mounting dimensions (mm)			Mounting hole (mm)
	W1	H1	D1	W2	H2	H3	
E3	161	450	362	90	435	/	ø8.5
E4	181	470	398	110	455	/	ø8.5
E5	241	470	393	140	455	/	ø8.5
E6	276	510	398	180	495	/	ø8.5
E7	296	650	428	245	634	/	ø10
E8	338	554	468	200	534	/	ø9.5
E9	339	825	520	260	800	/	ø13
E11	330	1288	540	225	1170	1218	ø14
E12	330	1398	540	240	1282	1328	ø14
E11(L3)	330	1619	540	225	1503	1218	ø14
E12(L3)	330	1729	540	240	1613	1659	ø14

VFD frame	Outline dimensions (mm)			Mounting dimensions (mm)				weight (kg)
	W1	H1	D1	H2	D2	W3	D3	
16S4	800	2300	650	2000	600	600	653	640
16S5	1400	2300	650	2000	600	1200	653	1100
16S6	600	2200	650	2000	600	400	653	314
16S7	800	2200	650	2000	600	600	653	366
16S8	800	2200	650	2000	600	600	653	418
16S9	800	2200	650	2000	600	600	653	443
16S10	800	2200	650	2000	600	600	653	511

Ordering information

Basic rectifier

Basic rectifier assembly for 400V voltage					
Ordering code	**Drive model**	**Frame**	**Component model**	**Qty**	**Component description**
11020-00431	GD880-71-0718-4-Z	D8T	GD880-71-0718-4	1	D8T rectifier unit
			GD880-TCU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			V-SK03A4-3Z.1	1	Fast connector female
11020-00432	GD880-71-0980-4-Z	D8T	GD880-71-0980-4	1	D8T rectifier unit
			GD880-TCU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			V-SK03A4-3Z.1	1	Fast connector female
11020-00433	GD880-71-1336-4-Z	2*D8T	GD880-71-1336-4-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00434	GD880-71-1822-4-Z	2*D8T	GD880-71-1822-4-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00435	GD880-71-2734-4-Z	3*D8T	GD880-71-2734-4-K	1	3*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00436	GD880-71-3645-4-Z	4*D8T	GD880-71-1822-4-K	2	2*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00437	GD880-71-4556-4-Z	5*D8T	GD880-71-2734-4-K	1	3*D8T frame rectifier unit
			GD880-71-1822-4-K	1	2*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-5M	5	3M fiber optic cable
11020-00438	GD880-71-5476-4-Z	6*D8T	GD880-71-2734-4-K	2	3*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-5M	6	3M fiber optic cable
11020-00447	GD880-71-1336-4-Z(12DF)	2*D8T	GD880-71-1336-4-K	1	2*D8T frame rectifier unit
			GD880-TCU-11	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00448	GD880-71-1822-4-Z(12DF)	2*D8T	GD880-71-1822-4-K	1	2*D8T frame rectifier unit
			GD880-TCU-11	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-3M	2	3M fiber optic cable

Basic rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00449	GD880-71-2672-4-Z(12DF)	4*D8T	GD880-71-1336-4-K	2	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	4	5m fiber optic cable
11020-00450	GD880-71-3645-4-Z(12DF)	4*D8T	GD880-71-1822-4-K	2	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00451	GD880-71-4008-4-Z(12DF)	6*D8T	GD880-71-2004-4-K	2	3*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00452	GD880-71-5467-4-Z(12DF)	6*D8T	GD880-71-2734-4-K	2	3*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	6	5M fiber optic cable

Basic rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00439	GD880-71-0570-6-Z	D8T	GD880-71-0570-6	1	D8T frame rectifier unit
			GD880-TCU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			V-SK03A4-3Z.1	1	Fast connector female
11020-00440	GD880-71-0815-6-Z	D8T	GD880-71-0815-6	1	D8T frame rectifier unit
			GD880-TCU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			V-SK03A4-3Z.1	1	Fast connector female
11020-00441	GD880-71-1061-6-Z	2*D8T	GD880-71-1061-6-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00442	GD880-71-1515-6-Z	2*D8T	GD880-71-1515-6-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00443	GD880-71-2273-6-Z	3*D8T	GD880-71-2273-6-K	1	3*D8T frame rectifier unit
			GD880-TCU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable

Basic rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00444	GD880-71-3031-6-Z	4*D8T	GD880-71-1515-6-K	2	2*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00445	GD880-71-3788-6-Z	5*D8T	GD880-71-2273-6-K	1	3*D8T frame rectifier unit
			GD880-71-1515-6-K	1	2*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-3M	5	3M fiber optic cable
11020-00446	GD880-71-4546-6-Z	6*D8T	GD880-71-2273-6-K	2	3*D8T frame rectifier unit
			GD880-TCU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M (CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00453	GD880-71-1061-6-Z(12DF)	2*D8T	GD880-71-1061-6-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00454	GD880-71-1515-6-Z(12DF)	2*D8T	GD880-71-1515-6-K	1	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00455	GD880-71-2122-6-Z(12DF)	4*D8T	GD880-71-1061-6-K	2	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00456	GD880-71-3031-6-Z(12DF)	4*D8T	GD880-71-1515-6-K	2	2*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00457	GD880-71-4546-6-Z(12DF)	6*D8T	GD880-71-2273-6-K	2	3*D8T frame rectifier unit
			GD880-TCU-13	2	Control unit
			SOP-880	2	LCD keypad
			L=2M (CHV-SE)	2	2M keypad cable
			HFBR-5M	6	5M fiber optic cable

Regenerative rectifier

Regenerative rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame	Component model	Qty	Component description
***	GD880-81-0116-4-Z	A4+L	GD880-81-0116-4	1	Rectifier unit
			JIR2012-124-KS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0149-4-Z	A4+L	GD880-81-0149-4	1	Rectifier unit
			JIR2012-155-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0183-4-Z	A4+L	GD880-81-0183-4	1	Rectifier unit
			JIR2012-182-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0245-4-Z	A6+L	GD880-81-0245-4	1	Rectifier unit
			JIR2012-230-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0299-4-Z	A6+L	GD880-81-0299-4	1	Rectifier unit
			JIR2012-280-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0349-4-Z	A7+L	GD880-81-0349-4	1	Rectifier unit
			JIR2012-330-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0395-4-Z	A7+L	GD880-81-0395-4	1	Rectifier unit
			JIR2012-400-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable

Regenerative rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame	Component model	Qty	Component description
***	GD880-81-0516-4-Z	A7+L	GD880-81-0516-4	1	Rectifier unit
			JIR2012-500-CS	1	Filter reactor
			BUB880-0516-4	1	Precharge component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
11020-00458	GD880-81-0640-4-Z	A8+L	GD880-81-0640-4-K	1	A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-81-0757-4-Z	A8+L	GD880-81-0757-4-K	1	A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00459	GD880-81-0900-4-Z	A8+L	GD880-81-0900-4-K	1	A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00460	GD880-81-1180-4-Z	2*A8+L	GD880-81-1180-4-K	1	2*A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00461	GD880-81-1770-4-Z	2*A8+L	GD880-81-1770-4-K	1	2*A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Regenerative rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00462	GD880-81-2360-4-Z	2*(2*A8+L)	GD880-81-1180-4-K	2	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-4	2	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00463	GD880-81-3540-4-Z	2*(2*A8+L)	GD880-81-1770-4-K	2	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-4	2	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00464	GD880-81-5310-4-Z	3*(2*A8+L)	GD880-81-1770-4-K	3	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-4	3	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
Note: *** Please contact staff from the manufacturer for the specific ordering code.					

Regenerative rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00465	GD880-81-0600-6-Z	A8+L	GD880-81-0600-6-K	1	A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-0900-6	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00466	GD880-81-0900-6-Z	A8+L	GD880-81-0900-6-K	1	A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-0900-6	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Regenerative rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00467	GD880-81-1180-6-Z	2*A8+L	GD880-81-1180-6-K	1	2*A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-1770-6	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00468	GD880-81-1770-6-Z	2*A8+L	GD880-81-1770-6-K	1	2*A8+L frame rectifier unit
			GD880-RCU-12	1	Control unit
			BUB800-1770-6	1	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00469	GD880-81-2360-6-Z	2*(2*A8+L)	GD880-81-1180-6-K	2	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-6	2	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00470	GD880-81-3540-6-Z	2*(2*A8+L)	GD880-81-1770-6-K	2	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-6	2	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00471	GD880-81-5310-6-Z	3*(2*A8+L)	GD880-81-1770-6-K	3	2*A8+L frame rectifier unit
			GD880-RCU-16	1	Control unit
			BUB800-1770-6	3	Precharge component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
Note: *** Please contact staff from the manufacturer for the specific ordering code.					

Active rectifier

Active rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
***	GD880-91-0094-4-Z	A3+LCL	GD880-91-0094-4	1	Rectifier unit
			LCL-0116-0.4SA-4149-RO	1	Filter reactor
			CBU-C65-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-91-0116-4-Z	A4+LCL	GD880-91-0116-4	1	Rectifier unit
			LCL-0116-0.4SA-4149-RO	1	Filter reactor
			CBU-C65-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-91-0149-4-Z	A4+LCL	GD880-91-0149-4	1	Rectifier unit
			LCL-0180-0.4SA-4149-RO	1	Filter reactor
			CBU-C65-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
***	GD880-91-0183-4-Z	A4+LCL	GD880-91-0183-4	1	Rectifier unit
			LCL-0180-0.4SA-4149-RO	1	Filter reactor
			CBU-C65-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
11020-00472	GD880-91-0220-4-Z	A6+LCL	GD880-91-0220-4	1	Rectifier unit
			LCL220A00364-2	1	Filter reactor
			CBU-C200-3-Y	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-Y	1	LCL filtering component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable

Active rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00473	GD880-91-0260-4-Z	A6+LCL	GD880-91-0260-4	1	Rectifier unit
			LCL355A02604-2	1	Filter reactor
			CBU-C200-3-Y	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-Y	1	LCL filtering component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
11020-00474	GD880-91-0312-4-Z	A7+LCL	GD880-91-0312-4	1	Rectifier unit
			LCL355A02604-2	1	Filter reactor
			CBU-C65-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
11020-00475	GD880-91-0395-4-Z	A7+LCL	GD880-91-0395-4	1	Rectifier unit
			LCL380A00214-2	1	Filter reactor
			CBU-C100-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
11020-00476	GD880-91-0516-4-Z	A7+LCL	GD880-91-0516-4	1	Rectifier unit
			LCL516A01504-2	1	Filter reactor
			CBU-C100-3-D	1	Filter capacitor component
			BUB880-0516-4	1	Precharge component
			GD880-LB-D	1	LCL filtering component
			RV-380V	1	Lightning protection component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-1M	1	1M fiber optic cable
11020-00477	GD880-91-0615-4-Z	A8+LCL	GD880-91-0615-4-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Active rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00478	GD880-91-0681-4-Z	A8+LCL	GD880-91-0681-4-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00479	GD880-91-0810-4-Z	A8+LCL	GD880-91-0810-4-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00480	GD880-91-0980-4-Z	2*A8+LCL	GD880-91-0980-4-K	1	2*A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00481	GD880-91-1168-4-Z	2*A8+LCL	GD880-91-1168-4-K	1	2*A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			SOP-880	1	LCD keypad
			PW-48-10-4	1	Fan power component
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00482	GD880-91-1295-4-Z	2*A8+LCL	GD880-91-1295-4-K	1	2*A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Active rectifier assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00483	GD880-91-1539-4-Z	2*A8+LCL	GD880-91-1539-4-K	1	2*A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-4	1	Precharge component
			PW-48-10-4	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00484	GD880-91-2336-4-Z	2*(2*A8+LCL)	GD880-91-1168-4-K	2	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-4	2	Precharge component
			PW-48-10-4	2	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00485	GD880-91-3078-4-Z	2*(2*A8+LCL)	GD880-91-1539-4-K	2	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-4	2	Precharge component
			PW-48-10-4	2	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00486	GD880-91-4617-4-Z	3*(2*A8+LCL)	GD880-91-1539-4-K	3	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-4	3	Precharge component
			PW-48-10-4	3	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
Note: *** Please contact staff from the manufacturer for the specific ordering code.					

Active rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame	Component model	Qty	Component description
11020-00487	GD880-91-0369-6-Z	A8+LCL	GD880-91-0369-6-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Active rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00488	GD880-91-0477-6-Z	A8+LCL	GD880-91-0477-6-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00489	GD880-91-0540-6-Z	A8+LCL	GD880-91-0540-6-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-0900-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00490	GD880-91-0701-6-Z	2*A8+LCL	GD880-91-0701-6-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00491	GD880-91-0906-6-Z	2*A8+LCL	GD880-91-0906-6-K	1	A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00492	GD880-91-1026-6-Z	2*A8+LCL	GD880-91-1026-6-K	1	2*A8+LCL frame rectifier unit
			GD880-ACU-12	1	Control unit
			BUB800-1770-6	1	Precharge component
			PW-48-10-6	1	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
			HFBR-1M	1	1M fiber optic cable

Active rectifier assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00493	GD880-91-1402-6-Z	2*(2*A8+LCL)	GD880-91-0701-6-K	2	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-6	2	Precharge component
			PW-48-10-6	2	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00494	GD880-91-2052-6-Z	2*(2*A8+LCL)	GD880-91-1026-6-K	2	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-6	2	Precharge component
			PW-48-10-6	2	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
11020-00495	GD880-91-3078-6-Z	3*(2*A8+LCL)	GD880-91-1026-6-K	3	2*A8+LCL frame rectifier unit
			GD880-ACU-16	1	Control unit
			BUB800-1770-6	3	Precharge component
			PW-48-10-6	3	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-91-4104-6-Z	4*(2*A8+LCL)	GD880-91-1026-6-K	4	2*A8+LCL frame rectifier unit
			GD880-ACU-1A	1	Control unit
			BUB800-1770-6	4	Precharge component
			PW-48-10-6	4	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	8	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
***	GD880-91-5130-6-Z	5*(2*A8+LCL)	GD880-91-1026-6-K	5	2*A8+LCL frame rectifier unit
			GD880-ACU-1A	1	Control unit
			BUB800-1770-6	5	Precharge component
			PW-48-10-6	5	Fan power component
			SOP-880	1	LCD keypad
			IVDM-10	1	AC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	10	5M fiber optic cable
			HFBR-1M	1	1M fiber optic cable
Note: *** Please contact staff from the manufacturer for the specific ordering code.					

GD880-09 DC-DC converter

DC-DC converter assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03561	GD880-09-0100-4-Z	A3+LC	GD880-09-0100-4	1	Power unit
			DCL34A47006-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-600A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
11001-03562	GD880-09-0200-4-Z	A4+LC	GD880-09-0200-4	1	Power unit
			DCL68A23406-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-600A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
11001-03550	GD880-09-0300-4-Z	A4+LC	GD880-09-0300-4	1	Power unit
			DCL100A15606-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-600A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
11001-03551	GD880-09-0400-4-Z	A6+LC	GD880-09-0400-4	1	Power unit
			DCL133A11706-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03552	GD880-09-0500-4-Z	A7+LC	GD880-09-0500-4	1	Power unit
			DCL167A09406-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	2	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03555	GD880-09-0600-4-Z	A7+LC	GD880-09-0600-4	1	Power unit
			DCL200A07806-1	3	Filter reactor
			CBU-1R8C-4	1	Low voltage filter capacitor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	2	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable

DC-DC converter assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03560	GD880-09-0800-4-Z	A8+LC	GD880-09-0800-4	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-1R8C-4	1	Filter capacitor
			DCL267A05906-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber module
			HFBR-1M	1	1m fiber optic cable
			HFBR-3M	1	3m fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	3	Resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03554	GD880-09-1000-4-Z	A8+LC	GD880-09-1000-4	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-3R6C-4	1	Low voltage filter capacitor
			DCL333A04706-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-1500A	1	Hall component
			RX18-520W-10RJ	3	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03553	GD880-09-1200-4-Z	A8+LC	GD880-09-1200-4	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-3R6C-4	1	Low voltage filter capacitor
			DCL400A03906-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-1500A	1	Hall component
			RX18-520W-10RJ	3	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable

DC-DC converter assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03558	GD880-09-0300-6-Z	A8+LC	GD880-09-0300-6	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-0R8C-6	1	Low voltage filter capacitor
			DCL100A220012-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-600A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03557	GD880-09-0400-6-Z	A8+LC	GD880-09-0400-6	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-0R8C-6	1	Low voltage filter capacitor
			DCL133A165012-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	1	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03556	GD880-09-0500-6-Z	A8+LC	GD880-09-0500-6	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-1R6C-6	1	Low voltage filter capacitor
			DCL167A131012-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	2	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable
11001-03559	GD880-09-0600-6-Z	A8+LC	GD880-09-0600-6	1	Power unit
			GD880-DCU-01	1	Control unit
			CBU-1R6C-6	1	Low voltage filter capacitor
			DCL200A110012-1	3	Filter reactor
			IVDM-20	1	DC voltage detection module
			EC-TX821	1	Optical fiber expansion module
			HFBR-1M	1	1M fiber optic cable
			HFBR-3M	1	3M fiber optic cable
			HAL-1000A	1	Hall component
			RX18-520W-10RJ	2	Precharge resistor
			SOP-880	1	LCD keypad
			CHV-SE-2M	1	2M keypad cable

Inverter unit

Inverter assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00282	GD880-51-0009-4	A1i	GD880-51-0009-4	1	A1i inverter unit
11020-00283	GD880-51-0013-4	A1i	GD880-51-0013-4	1	A1i inverter unit
11020-00281	GD880-51-0017-4	A1i	GD880-51-0017-4	1	A1i inverter unit
11020-00276	GD880-51-0023-4	A1i	GD880-51-0023-4	1	A1i inverter unit
11020-00280	GD880-51-0033-4	A2i	GD880-51-0033-4	1	A2i inverter unit
11020-00279	GD880-51-0038-4	A2i	GD880-51-0038-4	1	A2i inverter unit
11020-00274	GD880-51-0048-4	A2i	GD880-51-0048-4	1	A2i inverter unit
11020-00195	GD880-51-0060-4	A3i	GD880-51-0060-4	1	A3i inverter unit
11020-00196	GD880-51-0078-4	A3i	GD880-51-0078-4	1	A3i inverter unit
11020-00197	GD880-51-0094-4	A3i	GD880-51-0094-4	1	A3i inverter unit
11020-00277	GD880-51-0116-4	A4i	GD880-51-0116-4	1	A4i inverter unit
11020-00278	GD880-51-0149-4	A4i	GD880-51-0149-4	1	A4i inverter unit
11020-00275	GD880-51-0183-4	A4i	GD880-51-0183-4	1	A4i inverter unit
11020-00344	GD880-51-0245-4-Z	A6i	GD880-51-0245-4	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00345	GD880-51-0299-4-Z	A6i	GD880-51-0299-4	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00346	GD880-51-0349-4-Z	A7i	GD880-51-0349-4	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00347	GD880-51-0395-4-Z	A7i	GD880-51-0395-4	1	A7i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00348	GD880-51-0516-4-Z	A7i	GD880-51-0516-4	1	A7i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00353	GD880-51-0639-4-Z	A8i	GD880-51-0639-4	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00354	GD880-51-0757-4-Z	A8i	GD880-51-0757-4	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00355	GD880-51-0900-4-Z	A8i	GD880-51-0900-4	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00356	GD880-51-0975-4-Z	A8i	GD880-51-0975-4	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable

Inverter assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00361	GD880-51-1213-4-Z	2*A8i	GD880-51-1213-4-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00362	GD880-51-1439-4-Z	2*A8i	GD880-51-1439-4-k	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00363	GD880-51-1710-4-Z	2*A8i	GD880-51-1710-4-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00364	GD880-51-1852-4-Z	2*A8i	GD880-51-1852-4-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00369	GD880-51-2158-4-Z	3*A8i	GD880-51-2158-4-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00370	GD880-51-2565-4-Z	3*A8i	GD880-51-2565-4-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00371	GD880-51-2778-4-Z	3*A8i	GD880-51-2778-4-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00372	GD880-51-3420-4-Z	4*A8i	GD880-51-1710-4-K	2	2*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00373	GD880-51-3704-4-Z	4*A8i	GD880-51-1852-4-K	2	2*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00375	GD880-51-4316-4-Z	6*A8i	GD880-51-2158-4-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00376	GD880-51-5130-4-Z	6*A8i	GD880-51-2565-4-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable

Inverter assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00377	GD880-51-5566-4-Z	6*A8i	GD880-51-2778-4-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00349	GD880-51-0245-4-HC-Z	A6i	GD880-51-0245-4(HC)	1	A6i unit with built-in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00350	GD880-51-0299-4-HC-Z	A6i	GD880-51-0299-4(HC)	1	A6i unit with built-in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00351	GD880-51-0349-4-HC-Z	A7i	GD880-51-0349-4(HC)	1	A6i unit with built-in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00352	GD880-51-0395-4-HC-Z	A7i	GD880-51-0395-4(HC)	1	A6i unit with built-in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00357	GD880-51-0639-4-L2-Z	A8L2	GD880-51-0639-4-N	1	A8n inverter unit
			A8-L2-640A	1	A8L2 reactor component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00358	GD880-51-0757-4-L2-Z	A8L2	GD880-51-0757-4-N	1	A8n inverter unit
			A8-L2-900A	1	A8L2 reactor component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00359	GD880-51-0900-4-L2-Z	A8L2	GD880-51-0900-4-N	1	A8n inverter unit
			A8-L2-900A	1	A8L2 reactor component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00360	GD880-51-0975-4-L2-Z	A8L2	GD880-51-0975-4-N	1	A8n inverter unit
			A8-L2-900A	1	A8L2 reactor component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00365	GD880-51-1213-4-L2-Z	2*A8L2	GD880-51-0639-4-N	2	A8n inverter unit
			A8-L2-640A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00366	GD880-51-1439-4-L2-Z	2*A8L2	GD880-51-0757-4-N	2	A8n inverter unit
			A8-L2-900A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable

Inverter assembly for 400V voltage

Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00367	GD880-51-1710-4-L2-Z	2*A8L2	GD880-51-0900-4-N	2	A8n inverter unit
			A8-L2-900A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00368	GD880-51-1852-4-L2-Z	2*A8L2	GD880-51-0975-4-N	2	A8n inverter unit
			A8-L2-900A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable

Inverter assembly for 690V voltage

Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00378	GD880-51-0062-6-Z	A6i	GD880-51-0062-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00379	GD880-51-0082-6-Z	A6i	GD880-51-0082-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00380	GD880-51-0099-6-Z	A6i	GD880-51-0099-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00381	GD880-51-0125-6-Z	A6i	GD880-51-0125-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00382	GD880-51-0144-6-Z	A6i	GD880-51-0144-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00383	GD880-51-0192-6-Z	A6i	GD880-51-0192-6	1	A6i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00384	GD880-51-0217-6-Z	A7i	GD880-51-0217-6	1	A7i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00385	GD880-51-0270-6-Z	A7i	GD880-51-0270-6	1	A7i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00386	GD880-51-0340-6-Z	A7i	GD880-51-0340-6	1	A7i inverter unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00396	GD880-51-0410-6-Z	A8i	GD880-51-0410-6	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00397	GD880-51-0530-6-Z	A8i	GD880-51-0530-6	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable

Inverter assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00398	GD880-51-0600-6-Z	A8i	GD880-51-0600-6	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00399	GD880-51-0650-6-Z	A8i	GD880-51-0650-6	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00400	GD880-51-0720-6-Z	A8i	GD880-51-0720-6	1	A8i inverter unit
			A8i-K	1	A8i frame component
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00406	GD880-51-0779-6-Z	2*A8i	GD880-51-0779-6-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00407	GD880-51-1007-6-Z	2*A8i	GD880-51-1007-6-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00408	GD880-51-1140-6-Z	2*A8i	GD880-51-1140-6-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00409	GD880-51-1235-6-Z	2*A8i	GD880-51-1235-6-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00410	GD880-51-1368-6-Z	2*A8i	GD880-51-1368-6-K	1	2*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00416	GD880-51-1510-6-Z	3*A8i	GD880-51-1510-6-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00417	GD880-51-1710-6-Z	3*A8i	GD880-51-1710-6-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable

Inverter assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00418	GD880-51-1853-6-Z	3*A8i	GD880-51-1853-6-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00419	GD880-51-2052-6-Z	3*A8i	GD880-51-2052-6-K	1	3*A8i frame inverter unit
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	3	3M fiber optic cable
11020-00420	GD880-51-2280-6-Z	4*A8i	GD880-51-1140-6-K	2	2*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00421	GD880-51-2470-6-Z	4*A8i	GD880-51-1235-6-K	2	2*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00422	GD880-51-2736-6-Z	4*A8i	GD880-51-1368-6-K	2	2*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	4	5M fiber optic cable
11020-00423	GD880-51-3020-6-Z	6*A8i	GD880-51-1510-6-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	6M fiber optic cable
11020-00424	GD880-51-3420-6-Z	6*A8i	GD880-51-1710-6-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00425	GD880-51-3705-6-Z	6*A8i	GD880-51-1853-6-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00426	GD880-51-4104-6-Z	6*A8i	GD880-51-2052-6-K	2	3*A8i frame inverter unit
			GD880-ICU-16	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	6	5M fiber optic cable
11020-00427	GD880-51-4940-6-Z	8*A8i	GD880-51-1235-6-K	4	2*A8i frame inverter unit
			GD880-ICU-1A	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	8	5M fiber optic cable
11020-00428	GD880-51-5472-6-Z	8*A8i	GD880-51-1368-6-K	4	2*A8i frame inverter unit
			GD880-ICU-1A	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	8	5M fiber optic cable

Inverter assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00429	GD880-51-6175-6-Z	10*A8i	GD880-51-1235-6-K	5	2*A8i frame inverter unit
			GD880-ICU-1A	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	10	5M fiber optic cable
11020-00430	GD880-51-6840-6-Z	10*A8i	GD880-51-1368-6-K	5	2*A8i frame inverter unit
			GD880-ICU-1A	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-5M	10	5M fiber optic cable
11020-00387	GD880-51-0062-6-HC-Z	A6i	GD880-51-0062-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00388	GD880-51-0082-6-HC-Z	A6i	GD880-51-0082-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00389	GD880-51-0099-6-HC-Z	A6i	GD880-51-0099-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00390	GD880-51-0125-6-HC-Z	A6i	GD880-51-0125-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00391	GD880-51-0144-6-HC-Z	A6i	GD880-51-0144-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00392	GD880-51-0192-6-HC-Z	A6i	GD880-51-0192-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00393	GD880-51-0217-6-HC-Z	A7i	GD880-51-0217-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00394	GD880-51-0270-6-HC-Z	A7i	GD880-51-0270-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00395	GD880-51-0340-6-HC-Z	A7i	GD880-51-0340-6(HC)	1	Built in precharge
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
11020-00401	GD880-51-0410-6-L2-Z	A8L2	GD880-51-0410-6-N	1	A8n inverter unit
			A8-L2-640A	1	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00402	GD880-51-0530-6-L2-Z	A8L2	GD880-51-0530-6-N	1	A8n inverter unit
			A8-L2-640A	1	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00403	GD880-51-0600-6-L2-Z	A8L2	GD880-51-0600-6-N	1	A8n inverter unit
			A8-L2-640A	1	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable

Inverter assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11020-00404	GD880-51-0650-6-L2-Z	A8L2	GD880-51-0650-6-N	1	A8n inverter unit
			A8-L2-900A	1	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00405	GD880-51-0720-6-L2-Z	A8L2	GD880-51-0720-6-N	1	A8n inverter unit
			A8-L2-900A	1	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11020-00411	GD880-51-0779-6-L2-Z	2*A8L2	GD880-51-0410-6-N	2	2*A8n inverter unit
			A8-L2-640A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00412	GD880-51-1007-6-L2-Z	2*A8L2	GD880-51-0530-6-N	2	2*A8n inverter unit
			A8-L2-640A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00413	GD880-51-1140-6-L2-Z	2*A8L2	GD880-51-0600-6-N	2	2*A8n inverter unit
			A8-L2-640A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00414	GD880-51-1235-6-L2-Z	2*A8L2	GD880-51-0650-6-N	2	2*A8n inverter unit
			A8-L2-900A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11020-00415	GD880-51-1368-6-L2-Z	2*A8L2	GD880-51-0720-6-N	2	2*A8n inverter unit
			A8-L2-900A	2	A8L2 reactor component
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable

GD880 single-drive unit

Single-drive unit assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03321	GD880-11-0014-4-B	E3	GD880-11-0014-4-B	1	Drive , built-in braking unit
11001-03322	GD880-11-0019-4-B	E3	GD880-11-0019-4-B	1	Drive , built-in braking unit
11001-03323	GD880-11-0023-4-B	E4	GD880-11-0023-4-B	1	Drive , built-in braking unit
11001-03324	GD880-11-0032-4-B	E4	GD880-11-0032-4-B	1	Drive , built-in braking unit
11001-03325	GD880-11-0038-4-B	E5	GD880-11-0038-4-B	1	Drive , built-in braking unit
11001-03326	GD880-11-0045-4-B	E5	GD880-11-0045-4-B	1	Drive , built-in braking unit
11001-03327	GD880-11-0060-4-B	E6	GD880-11-0060-4-B	1	Drive , built-in braking unit
11001-03328	GD880-11-0075-4-B	E6	GD880-11-0075-4-B	1	Drive , built-in braking unit
11001-03329	GD880-11-0092-4-B	E6	GD880-11-0092-4-B	1	Drive , built-in braking unit
11001-03330	GD880-11-0115-4	E7	GD880-11-0115-4	1	Drive
11001-03331	GD880-11-0150-4	E7	GD880-11-0150-4	1	Drive
11001-03332	GD880-11-0180-4	E7	GD880-11-0180-4	1	Drive
11001-03333	GD880-11-0215-4	E8	GD880-11-0215-4	1	Drive
11001-03334	GD880-11-0260-4	E8	GD880-11-0260-4	1	Drive
11001-03335	GD880-11-0305-4	E9	GD880-11-0305-4	1	Drive
11001-03336	GD880-11-0340-4	E9	GD880-11-0340-4	1	Drive
11001-03652	GD880-11-0380-4-Z	E11	GD880-11-0380-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03653	GD880-11-0425-4-Z	E11	GD880-11-0425-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03654	GD880-11-0480-4-Z	E11	GD880-11-0480-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03655	GD880-11-0530-4-Z	E11	GD880-11-0530-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03656	GD880-11-0600-4-Z	E11	GD880-11-0600-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03657	GD880-11-0650-4-Z	E11	GD880-11-0650-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03658	GD880-11-0720-4-Z	E12	GD880-11-0720-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable

Single-drive unit assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03659	GD880-11-0820-4-Z	E12	GD880-11-0820-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03660	GD880-11-0860-4-Z	E12	GD880-11-0860-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03679	GD880-11-0380-4-L3-Z	E11	GD880-11-0380-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03680	GD880-11-0425-4-L3-Z	E11	GD880-11-0425-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03681	GD880-11-0480-4-L3-Z	E11	GD880-11-0480-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03682	GD880-11-0530-4-L3-Z	E11	GD880-11-0530-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03683	GD880-11-0600-4-L3-Z	E11	GD880-11-0600-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03684	GD880-11-0650-4-L3-Z	E11	GD880-11-0650-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03685	GD880-11-0720-4-L3-Z	E12	GD880-11-0720-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03686	GD880-11-0820-4-L3-Z	E12	GD880-11-0820-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable

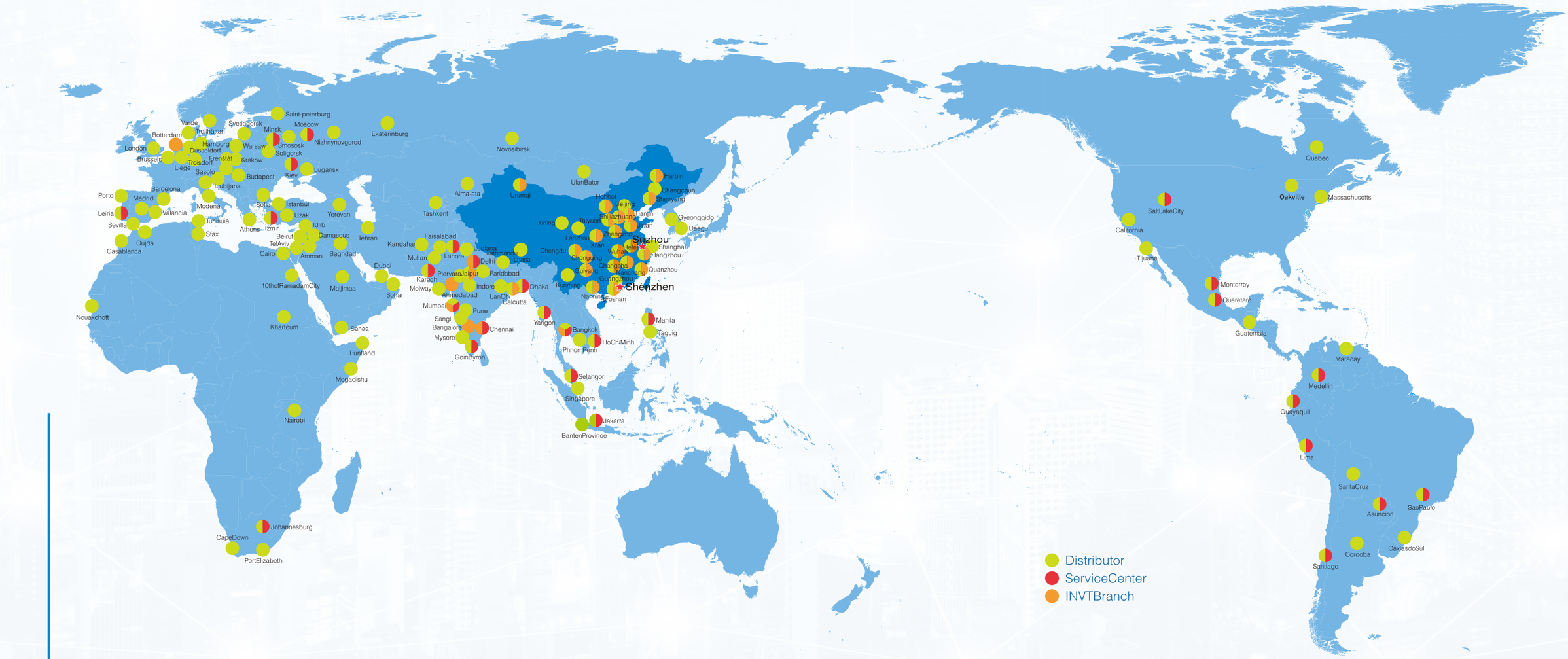
Single-drive unit assembly for 400V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03687	GD880-11-0860-4-L3-Z	E12	GD880-11-0860-4-L3	1	Drive、built-in output reactor
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03661	GD880-11-0639-4-Z	11A8	GD880-11-0639-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03662	GD880-11-0757-4-Z	11A8	GD880-11-0757-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03663	GD880-11-0900-4-Z	11A8	GD880-11-0900-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03664	GD880-11-0975-4-Z	11A8	GD880-11-0975-4	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03665	GD880-11-1213-4-Z	2*11A8	GD880-11-0639-4	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03666	GD880-11-1439-4-Z	2*11A8	GD880-11-0757-4	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03667	GD880-11-1710-4-Z	2*11A8	GD880-11-0900-4	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03668	GD880-11-1852-4-Z	2*11A8	GD880-11-0975-4	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2m keypad cable
			HFBR-3M	2	3m fiber optic cable

Single-drive unit assembly for 690V voltage					
Ordering code	Drive model	Frame size	Component model	Qty	Component description
11001-03669	GD880-11-0410-6-Z	11A8	GD880-11-0410-6	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03670	GD880-11-0530-6-Z	11A8	GD880-11-0530-6	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03671	GD880-11-0600-6-Z	11A8	GD880-11-0600-6	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03672	GD880-11-0650-6-Z	11A8	GD880-11-0650-6	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03673	GD880-11-0720-6-Z	11A8	GD880-11-0720-6	1	Drive
			GD880-ICU-11	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	1	3M fiber optic cable
11001-03674	GD880-11-0779-6-Z	2*11A8	GD880-11-0410-6	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03675	GD880-11-1007-6-Z	2*11A8	GD880-11-0530-6	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03676	GD880-11-1140-6-Z	2*11A8	GD880-11-0600-6	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03677	GD880-11-1235-6-Z	2*11A8	GD880-11-0650-6	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable
11001-03678	GD880-11-1368-6-Z	2*11A8	GD880-11-0720-6	2	Drive
			GD880-ICU-13	1	Control unit
			SOP-880	1	LCD keypad
			L=2M(CHV-SE)	1	2M keypad cable
			HFBR-3M	2	3M fiber optic cable

Optional parts

Name	Ordering	Model	Description
PROFINET IO communication module	11023-00168	EC-TX809	PROFINET IO industrial Ethernet
PROFIBUS DP communication module	11023-00161	EC-TX803	PROFIBUS DP, 9.6k bit/s–12M bit/s
CANopen communication module	11023-00170	EC-TX805	Canopen, 20kbps–1M bps
Fiber optic module	11023-00157	EC-TX821	1-channel fiber-optic module
Fiber optic module	11023-00158	EC-TX823	3-channel fiber-optic module
HTL encoder module	11023-00155	EC-PG805-24	Supporting open collector ,push-pull and differential encoders,and pulse reference and frequency-divider output supporting PT100 based temperature detection
TTL encoder module	11023-00166	EC-PG805-05	Supporting differential encoders or RS422 signal input encoders and pulse reference and frequency-divider output supporting PT100 based temperature detection
Resolver encoder module	11023-00172	EC-PG804	Rotary transformer type encoder, 10/20K optional, supports PT100 or KTY84 temperature detection
IO module	11023-00156	EC-IO801	2 AI+2AO+3DI+1RO
DC precharge module	11029-00141	BUB600-7R5-4	Applicable to A1i–A2i
DC precharge module	11029-00142	BUB600-037-4	Applicable to A3i
DC precharge module	11029-00146	BUB600-075-4	Applicable to A4i
AC precharge compoment	19005-00361	BUB880-0516-4	Applicable to A7i and below
AC precharge compoment	11020-00220	BUB800-0900-4	Applicable to A8i
AC precharge compoment	11020-00222	BUB800-1770-4	Applicable to 2*A8i
AC precharge compoment	11020-00219	BUB800-0900-6	Applicable to A8i
AC precharge compoment	11020-00221	BUB800-1770-6	Applicable to 2*A8i
keyboard external lead-out kit	11091-00016	SOP-880-IP20	Keyboard external lead-out kit (IP20)
keyboard external lead-out kit	11091-00017	SOP-880-IP54	Keyboard external lead-out kit (IP54)
A6A7 magnet ring assembly	11029-00164	CF-A7	Applicable to A6i–A7i
A8 magnet ring assembly	11029-00165	CF-A8	Applicable to A8i/A8n/A8L2
A8i ramp slide plate	62001-02793	MB-A8	Applicable to A8i
A8n maintenance bracket	62001-03692	MB-A8n	Applicable to A8n
A6A7 maintenance bracket	62001-04410	MB-A7	Applicable to A6–A7
LCL Unit slide	99003-06898	MB-LCL	Applicable to LCL/L filter units

INVT marketing service network



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