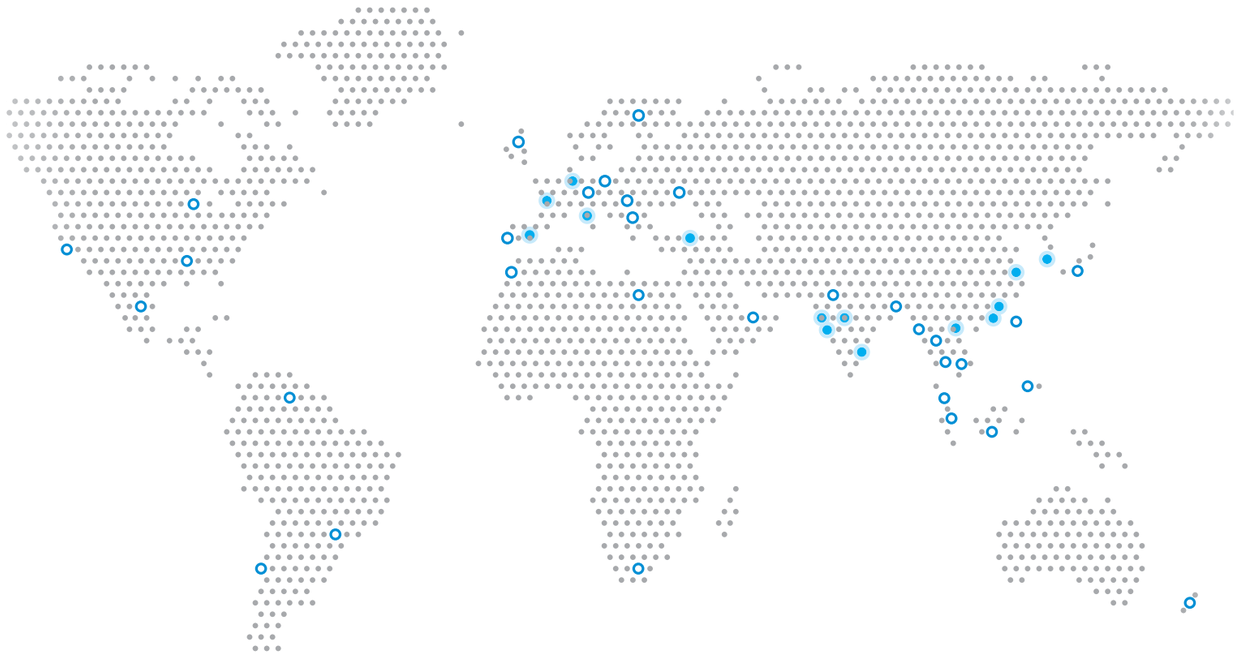

Inovance Worldwide
Distribution & Service Partners

Advancing industrial technology, for a better world

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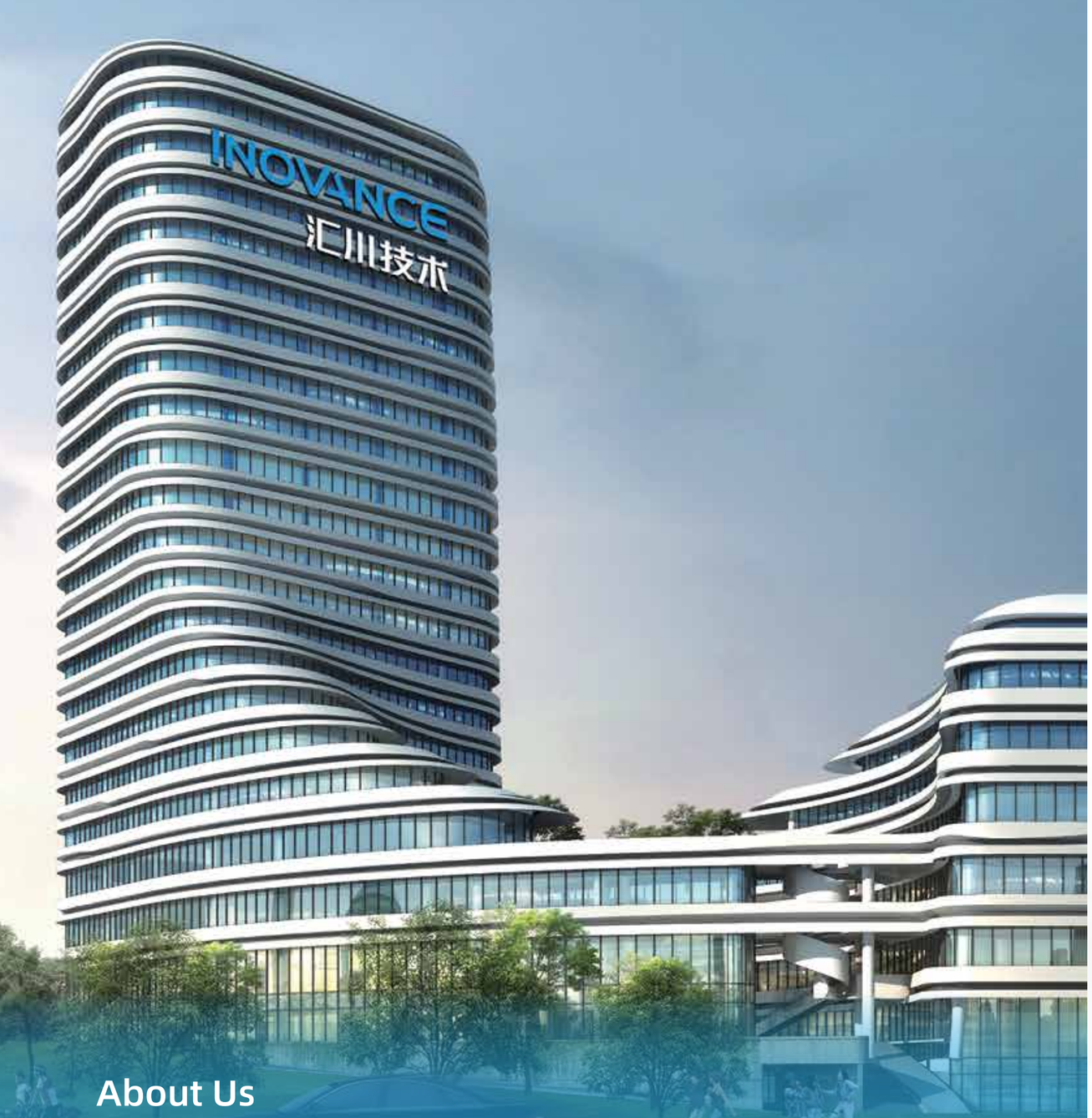
MD880 High-Performance Engineering AC Drive

Born for Process Automation

DESIGN AWARD 2017

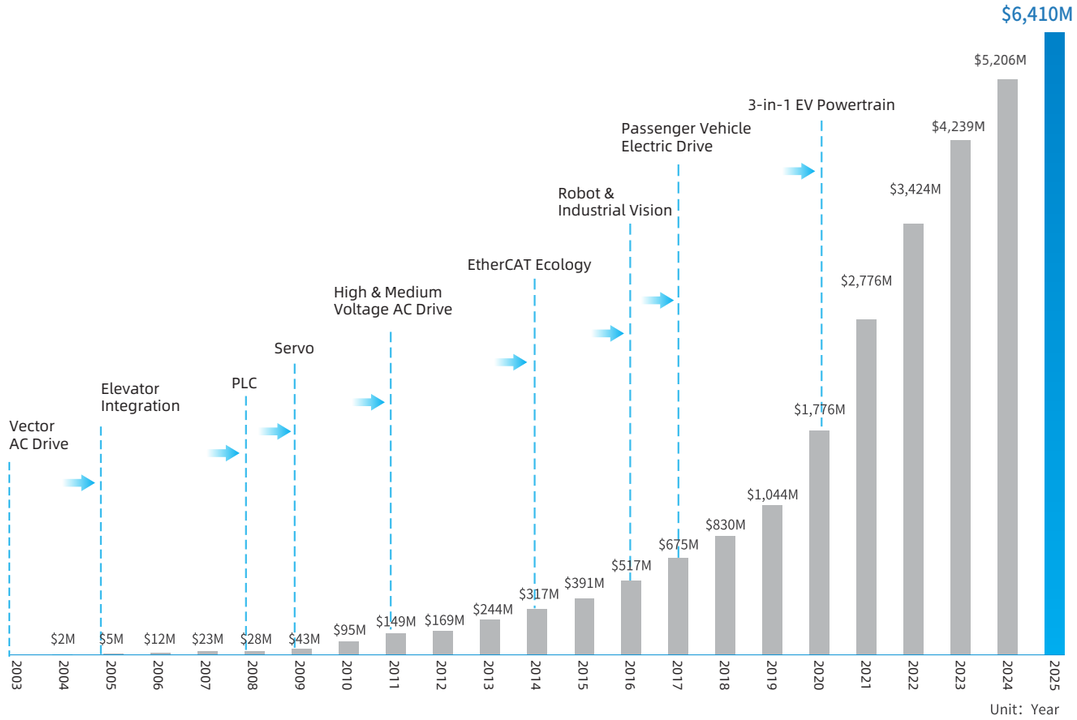


About Us

Since 2012, Inovance has been deeply committed to its global strategy. In 2024, the company experienced rapid growth in international markets, with annual overseas revenue exceeding RMB 2 billion, representing a year-over-year increase of over 90%.

Inovance has established six R&D centers and eleven subsidiaries and offices worldwide. The company has also built a robust service network, consisting of more than 650 authorized distributors and nearly 600 service centers, covering over 100 countries.

Through its “Industry Line Internationalization” and “Leverage Global Partners” strategies, Inovance has successfully brought its leading domestic products and solutions to the international market, continuously expanding its global influence.



2003
founded

IPO:2010
Shenzhen, China

30,000
employees

Global
network of offices and distributors

$6.4+bn
revenues in 2025

5538 R&D Employees
Account for 23% of total employees

5 R&D Centers
Shenzhen, Suzhou, Xi'an, Nanjing,Stuttgart (Germany)

2886 Patents and software copyrights
Invention450 / Utility model 1443 / Industrial design 511 / Software copyright 482

USD **604+** Million
Account for 8.5% of revenue 2025

MD880 Series High-Performance
Engineering AC Drive
A New Benchmark for Engineering Drives

Born for Process Automation






Product Overview

MD880 is developed based on high-end AC drive platform of Inovance, which is divided into single-drive system and multi-drive system. Targeting at high-end drive applications, MD880 features high-performance speed and torque control, high reliability, flexible integration, easy commissioning and maintenance, as well as high power density. It sets up a new benchmark for the industry in terms of modular structure, power density, responsiveness, accuracy, and scope of application.

Scope of application

Metallurgy

Including high-speed hot strip mills, wide and heavy plate devices, cold roll mills, pickling lines, annealed wires, galvanizing lines, color coating lines, non-ferrous metal alloy manufacturing equipment, non-ferrous rolling equipment, and large-sized metallurgical casting cranes

Petroleum

Including marine rig, marine modularized rig, land rig, top drive, mechanical rig retrofit, intelligent electric drive service rig/tractor hoist, electric drive sand blenders

Paper-making

Including paper manufacturing equipment, which covers headbox, wite part, press part, dryer part, sizing, hard calendering, coating, super calendering, and rewinder

Large-sized port cranes

Including bridge cranes for quayside containers, gantry cranes for RTG containers, grab ship unloaders, grab portal cranes, and large-sized ship-building gantry cranes

Vessels

Including electric propulsion, floating cranes, lift, deck machineries, variable-frequency shaft generators

Cables

Including large-sized rigid frame stranding machines, tubular stranding machines, and heavy-duty wire drawing machine

Test benches

Including test benches for electric vehicles, wind turbine converters, and battery packs

Tunnel boring machines

Including tunnel boring machine cutterhead drives, conveyor drives, slurry pump drives, and dredge pump drives

Others

Including wind turbine converters, assembling unit test benches, low-voltage power control, pipeline, and mine conveyor equipment

Flexible Modular Design

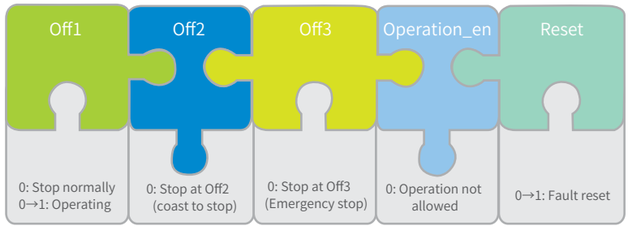
Flexible configuration of software/hardware modules to fulfill customized needs without changing codes

① Fun and free programming
② Open data flow graph for easy commissioning
③ Flexible configuration with extension cards

01 Fun and free programming

■ **Flexible configuration of control words**

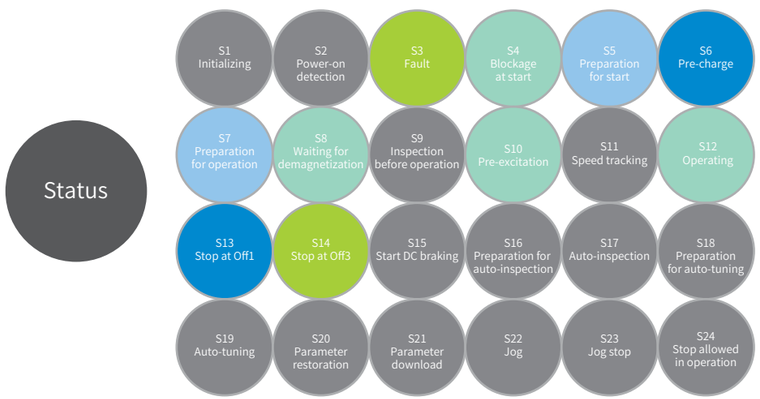
Extension card input terminal status, control board input terminal status, drive status word, drive operating status



Definition of standard control word

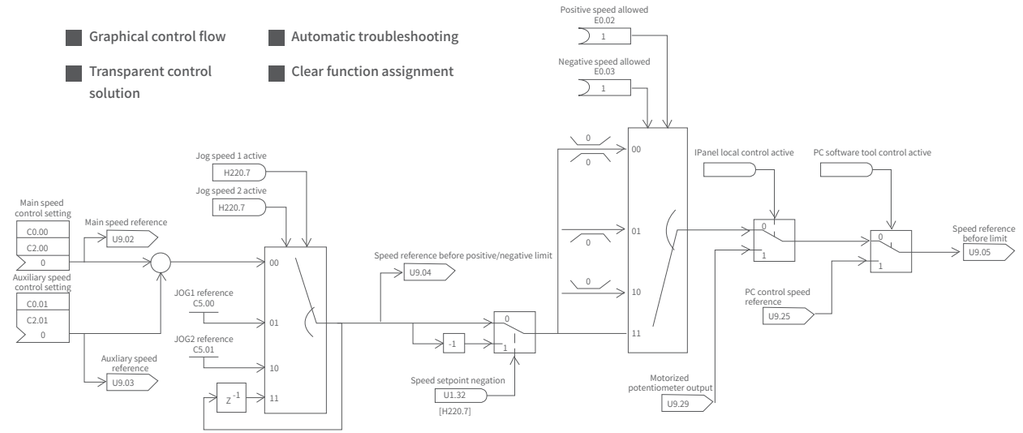
■ **Modular configuration of software**

Abundant resource pool that can be called as needed (variable data of each software block, bus process data, speed channel, torque channel, and ramp function generator)



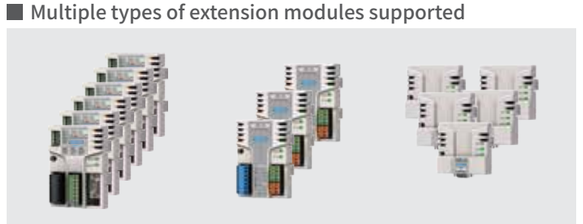
02 Open data flow graph for easy commissioning

■ **Graphical control flow**
■ **Transparent control solution**
■ **Automatic troubleshooting**
■ **Clear function assignment**



03 Flexible configuration with extension cards

■ **HCU controller encapsulated separately, with three extension slots available**
■ **Up to seven extension slots extendable**
■ **Multiple types of extension modules supported**




Encoder detection module

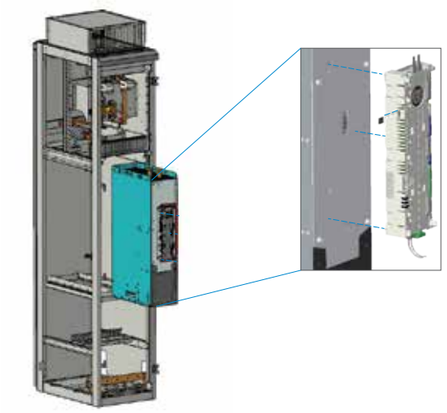

I/O extension module


Bus adapter module


HCU high-performance controller

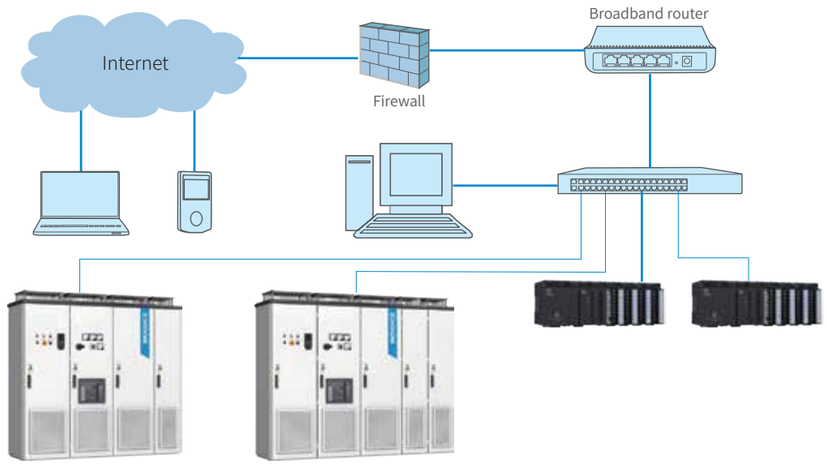
01 Quick troubleshooting on site

- Quick recovery from fault to reduce operation loss of production lines, without the need for replacing HCU controller or disconnecting communication cable, control cable, or encoder cable, or programming backup parameters or system software
- Pluggable SD card in the HCU controller for saving parameters and system software, allowing quick replacement of HCU
- Battery-powered system clock to ensure safe and reliable time stamp of HCU event recorder, without being affected by sudden power failure



02 Remote diagnostic service in real time

- Technicians can, after being authorized by the client, connect the remote server on site through VPN to check the fault log, system parameters, and operation data to locate faults quickly and optimize processes to improve efficiency.



03 Detailed fault log in the black box

- Saving waveform data of 50 monitored objects upon fault
- Saving 1000 groups of data cyclically through re-writing

04 Fault levels settable for failsafe operation

- Fault levels determined automatically and displayed in real time through the LCD, with fault analysis generated for guidance

Level 1	Coast to stop at fault
Level 2	Decelerate to stop at fault
Level 3	Derated operation continued at fault
Level 4	Operation continued, with frequency upper limit being limited
Level 5	Operation continued, with restart inhibited
Level 6	Operation continued, with restart allowed
Level 7	Fault/Alarm ignored

① Quick troubleshooting on site
② Remote diagnostic service in real time
③ Detailed fault log in the black box
④ Fault levels settable for failsafe operation

Stable operation and reliable performance

Industrial-level hardware configuration for stable long-term operation
Multiple troubleshooting mechanism for quick recovery on site

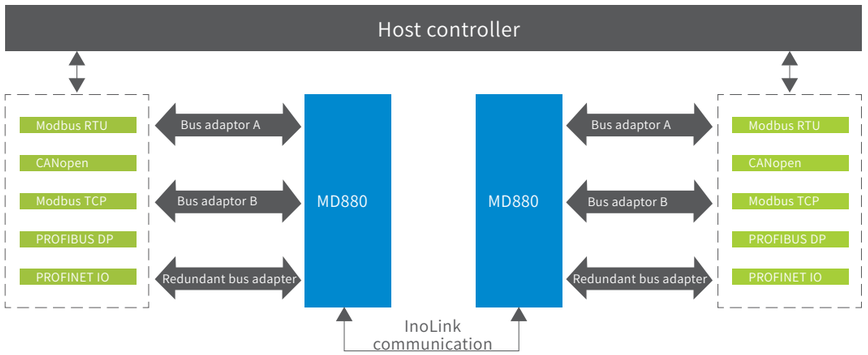
Outstanding Compatibility

Compatible with various host controllers without changing PLC programs

① Compatible with various host controllers
② Outstanding motor control performance
③ Mounting brackets available as options

01 Compatible with various host controllers

- Powerful digit conversion tool+Parameter interconnection+Bus adapter function to compatible with any bus type, without the need for changing the host controller programs or configuration files



02 Outstanding motor control performance

- Supporting asynchronous and synchronous motor control
- Supporting 150% torque output at 0 Hz without encoder

03 Mounting brackets available as options

- Supporting frame structures with similar interfaces to allow quick replacement on site

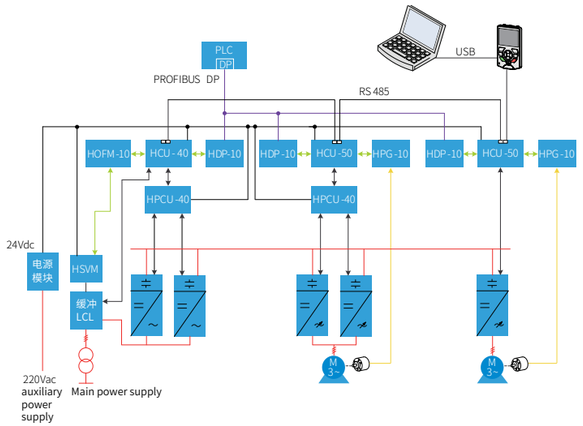
Professional configuration design tools

Configured with InoDriveStudio amd LCD operating panel to free you from the trouble of complex commissioning

01 InoDriveStudio for easy commissioning

InoDriveStudio, a standard PC commissioning software developed for Inovance multi-drive products, features user-friendly interfaces and graphical menus to allow easy configuration, parameter setting, fault detection, system maintenance and service.

InoDriveStudio can deliver up to eight signal trend records, with fault diagnosis and parameter optimization simplified. It helps electrical engineers locate faults quickly through recovering the infomration of 50 monitored objects generated in the high-speed data recorder of HCU upon fault, optimizing process control of production lines.



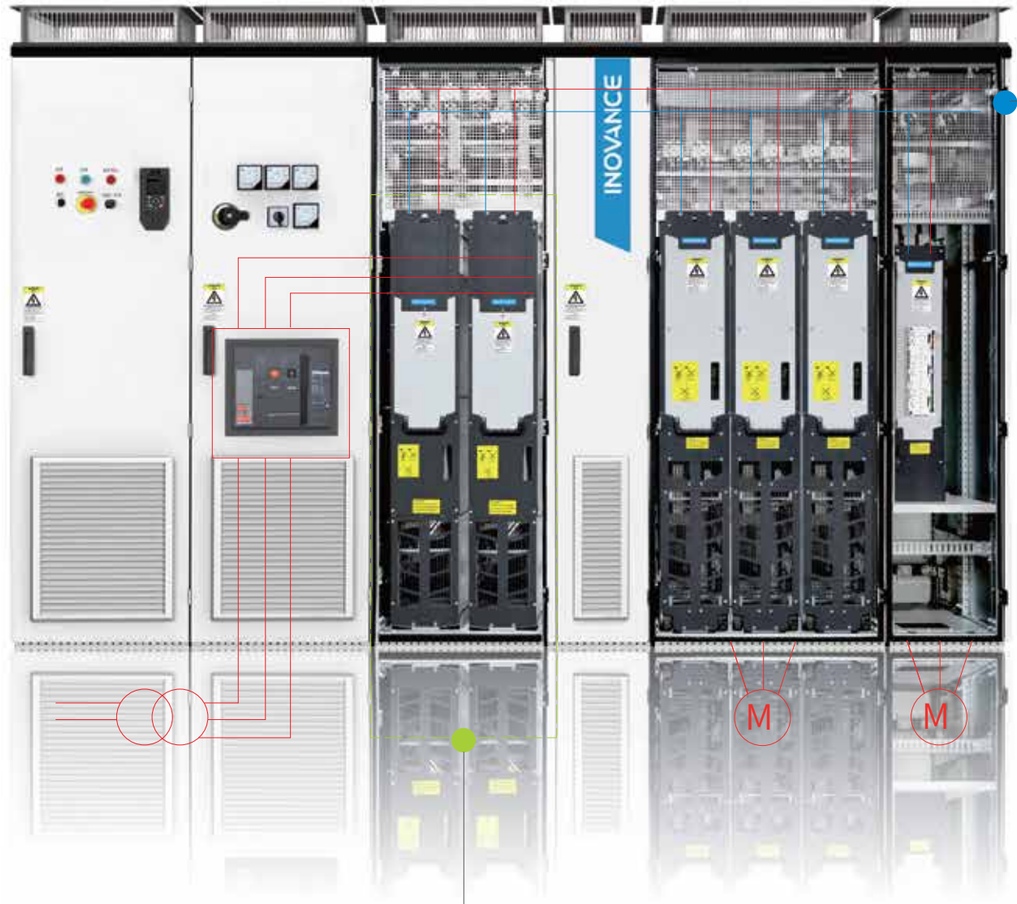
02 SOP-20-880 operating panel for quick commissioning

- LCD
- 240 mm×160 mm
- PC connected to the AC drive system through USB port in SOP-20-880
- Language: Chinese/English
- Display of eight rows of characters
- Parameter copy and recovery

Structure and Features of MD880 Multi-drive System

Common DC bus

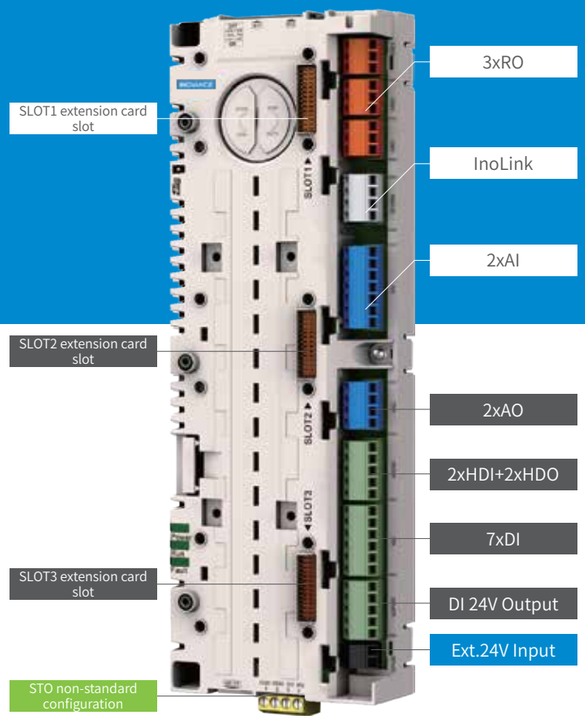
- Reducing the power supply module and braking module current, as well as device capacity
- Supporting direct exchange of generating energy and motoring energy through common DC bus of drive modules during winding/unwinding applications under potential energy load
- Adopting book-sized power supply modules, drive modules, braking modules, and active power supply filter modules for flexible model selection, easy cabinet assembly, and quick maintenance, reducing the consumption of cabinets and saving the footprint by 30% to 60%
- Supporting in-cabinet installation of power modules and options to ensure overall quality of the drive system
- Fulfilling diversified demands from integrators and end users by providing assembly units or cabinets



Unified power modules

Unified incoming circuits

- Reducing the consumption of incoming lines and power distribution protection devices
- Improving reliability through ensuring the overall integrity and control functions



HCU control module, the master controller developed for MD880 series drives with single-drive or multi-drive systems, is mainly used to control basic power supply modules, regenerative power supply modules, active power supply modules, drive modules, and DCDC power modules. It features powerful functions, compact structure, high extendability, high reliability, flexible networking, and excellent control algorithm.For use with drive units, the HCU control module supports synchronous and asynchronous motor control, V/f control, sensorless vector control, and feedback vector control. For use with DCDC modules, the HCU control module supports voltage control, current control, power control, and switchover among different control modes.

High performance

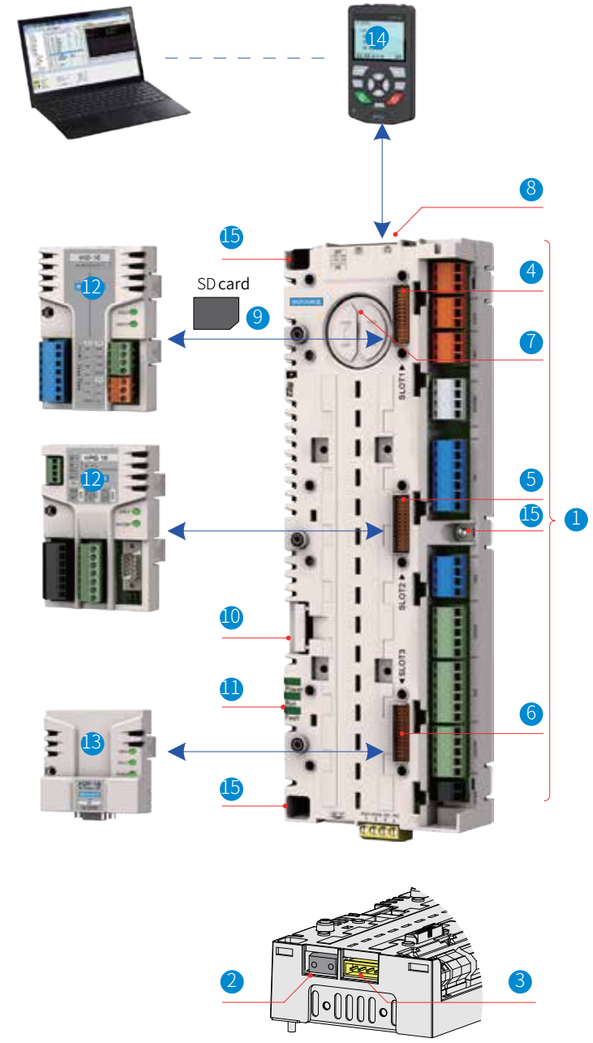
High reliability

HCU Extension Module

Item	I/O Extension Module	Encoder Detection Module	Bus Adapter Module
Photo			
Type	1. I/O extension module (2xDIO+2xAI+2xAO+1RO)	1. HTL incremental encoder detection module 2. Resolver detection module 3. TTL incremental encoder detection module 4. Sin/Cos encoder detection module	Fieldbus adapter module 1. PROFIBUS-DP 2. CANopen 3. Modbus RTU industrial Ethernet module 1. PROFINET IO 2. Modbus TCP 3. EtherCAT Ethernet commissioning module 1. Ethernet commissioning module

Components of HCU Control Module

No.	Name	Description
1	User terminal	User I/O terminals are included as standard.
2	Communication optical fiber	Used as the optical fiber communication interface between HCU and power module.
3	STO terminal	Safe torque off (STO)
4	Slot 1	Extension module interface
5	Slot 2	Extension module interface
6	Slot 3	Extension module interface
7	Battery cover	RTC backup battery cover
8	Operating panel terminal	Two RJ45 terminals with the same assignment for easy cascading
9	SD card	Used as the standard memory of HCU, which can be inserted flexibly
10	Safety module slot	Used as the dedicated slot for functional safety module
11	Indicator	Indicates the state of the power supply, operation, and fault
12	Function module SIZE1	105×73×24 (mm)
13	Function module SIZE2	75×73×24 (mm)
14	Intelligent operating panel	SOP-20-880
15	Fixing hole	Three fixing holes for HCU



MD880 Series Products

Naming rules for single-drive products

MD880 - 01S - XXXX - 4 - L - INT
① ② ③ ④ ⑤ ⑥

① MD880 AC drive series	② 01S: AC drive (single-drive system) 11S: AC drive cabinet (single-drive system)[1]	③ XXXX: Rated current
④ 4: 400V 7: 690V	⑤ L: With output reactor B: Built-in braking unit _: Without reactor or braking unit	⑥ INT: International version

※1: For AC drive cabinets with single-drive system, only 690V standard cabinets are available.

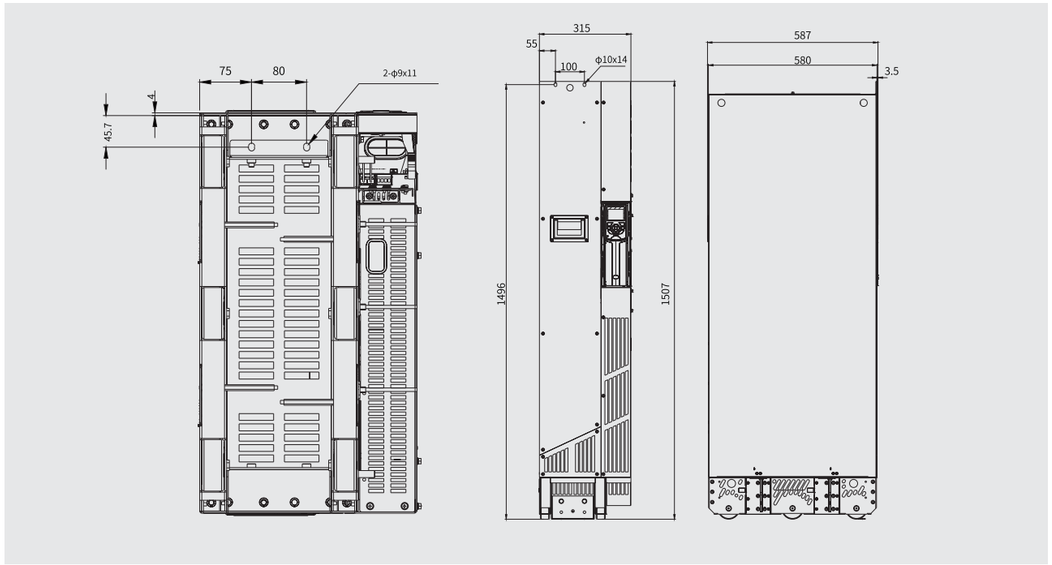
MD880 690V Single-Drive Series

Item	690V AC High-Performance AC Drive (Single-Drive System)					
Photo						
	MD880-01S -0340-7-INT	MD880-01S -0410-7-INT	MD880-01S -0530-7-INT	MD880-01S -0600-7-INT	MD880-01S -0650-7-INT	MD880-01S -0721-7-INT
Voltage Class	Three-phase 690V AC (range:525V AC to 690V AC)					
Power Rating	315kW	400kW	500kW	560kW	630kW	710kW
Max. Weight (kg)	180					
Dimensions in mm (W×D×H)	315×588×1502					

Item	690V AC Drive Cabinet (Single-Drive System)		
Photo			
	Frame Size	MD880-11S-0600-7-INT	MD880-11S-0650-7-INT	MD880-11S-0721-7-INT
Voltage Class	S12	Three-phase 690V AC (range: 525V AC to 690V AC)		
Power Rating		560kW	630kW	710kW
Max. Weight (kg)		530		
Dimensions in mm (WxDxH)		853×729×2058		
Configuration		Input reactor as standard, output reactor and braking unit as options		
	Frame Size	MD880-11S-1140-7-INT	MD880-11S-1235-7-INT	MD880-11S-1370-7-INT
Voltage Class	2*S12	Three-phase 690V AC (range: 525V AC to 690V AC)		
Power Rating		1100kW	1200kW	1300kW
Max. Weight (kg)		920		
Dimensions in mm (WxDxH)		1353×718×2058		
Configuration		Input and output reactors as standard, braking unit as option		

Dimensions and Technical Data of MD880 690V Single-Drive Series

Dimensions of frame size S12

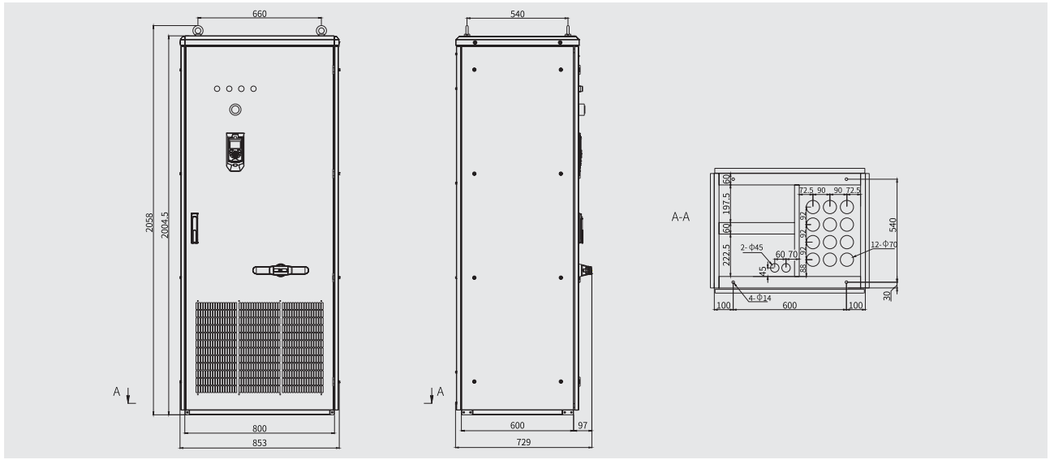


Technical data

Model: MD880-01S-xxxx-x-INT	Rated Output Value							Outline Dimensions in mm (WxDxH)	Weight (kg)	Power loss (kW)
	Normal Duty Without Overload			Light-Overload Application		Heavy-Overload Application				
	I_N	P_N	S_N	I_{LN}	P_{LN}	I_{HD}	P_{HD}			
	A	kW	kW	A	kW	A	kW			
UN: Three-phase 690V AC (range: 525V AC to 690V AC)										
0340-7	340	315	406	326	315	255	250	315×588×1502	180	5.4
0410-7	410	400	490	394	355	308	315			6.8
0530-7	530	500	633	509	450	398	355			8.5
0600-7	600	560	717	576	560	450	400			9.52
0650-7	650	630	777	624	630	488	450			10.71
0721-7	721	710	862	692	710	541	500			12.07

Dimensions and Technical Data of MD880 690V Single-Drive Series

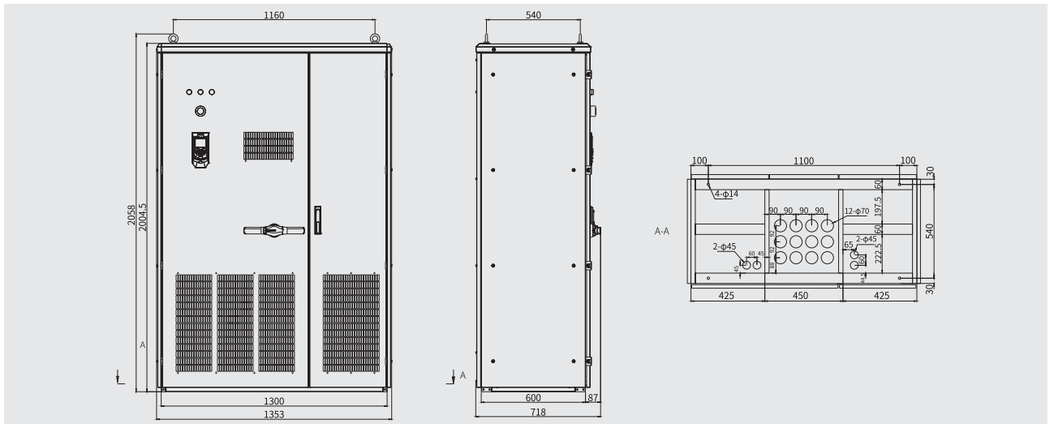
Dimensions of 690V AC drive cabinets (single-drive system)



Technical data

Model: MD880-11S-xxxx-x	Frame Size	Normal Duty Without Overload		Light-Overload Application		Heavy-Overload Application		Weight (kg)	Power Loss (kW)	Air Volume (CMM)	Outline Dimensions in mm (WxDxH)
		Current (A)	Power (kW)	Current (A)	Power (kW)	Current (A)	Power (kW)				
UN: Three-phase 690V AC (range: 525V AC to 690V AC)											
0600-7	S12	600	560	576	560	450	400	530	11.39	1190	853×729×2058
0650-7		650	630	624	630	488	450		12.62		
0721-7		721	710	692	710	541	500		14.06		

690V AC Paralleled-Module Cabinets



Technical Data

Model MD880-11S-xxxx-x	Frane Suze	Normal Duty Without Overload		Light-Overload Application		Heavy-Overload Application		Weight (kg)	Power Loss (kW)	Air Volume (CMM)	Outline Dimensions in mnm (WxDxH)
		Current (A)	Power (kW)	Current (A)	Power (kW)	Current (A)	Power (kW)				
UN: Three-phase 690V AC (range: 525V AC to 690V AC)											
1140-7	2*S12	1140	1100	1094	1050	855	800	920	21.99	2350	1353×718×2058
1235-7		1235	1200	1186	1150	926	900		24.47		
1370-7		1370	1300	1315	1300	1027	1000		27.29		

MD880 Series Products

Naming Rules

MD880 - 50M - XXXX - 4 - L - INT

① ② ③ ④ ⑤ ⑥

① MD880 AC drive series MD880: Air-cooled MD880LC: Water-cooled	② 20M: Basic power supply module 30M: Regenerative power supply module 40M: Active power supply module 50M: Drive module 60M: 3-PH braking module 61M: 1-PH braking module 80M: DCDC module	30F: Regenerative power supply filter module 40F: Active power supply filter module 30K: Regenerative power supply frame 40K: Active power supply frame 40D: Low-power active power supply (with filter system) 80D: DCDC (with output filter system)	③ XXXX : Rated current (Rated power for 60M/61M series)
④ 4: 400V 5: 500V 7: 690V	⑤ L: With output reactor(H8 framesize) _: Without reactor(H8A framesize)		⑥ INT: International version

MD880 Multi-Drive Series Power Module

Item	Inverter Module						Basic power supply module
Photo							
Frame Size	H1-H3	H4	H6	H7	H8	H8A	T2
Power Rating	380V~415V: H1: 3.7kW~11kW H2: 15kW~22kW H3: 30kW~45kW	380V~415V: 55kW~90kW	380V~415V: 110kW~132kW 525V~690V: 55kW~160kW	380V~415V: 160kW~200kW 380V~500V: 250kW 525V~690V: 200kW~250kW	380V~415V: 250kW~500kW 525V~690V: 315kW~710kW	380V~15V: 250kW~500kW 380V~500V: 400kW~560kW 525V~690V: 315kW~710kW	380V~415V: 475kW~649kW 525V~690V: 650kW~929kW
Function Type	DC/AC drive module	DC/AC drive module	DC/AC drive module	DC/AC drive module	DC/AC drive module	DC/AC drive module	AC/DC drive module
Max. Weight (kg)	11	20	35	45	130	80	188
Dimensions in mm (W×D×H)	100×413×415	200×413×415	180×438×770	180×463 x920	230×582×1395	230×582×939	230×602×1393

Item	Active power supply frame units		Regenerative power supply frame units	
Photo				
Frame Size	BLCL+H8	BLCL+2×H8	L+H8	L+2×H8
Power Rating	380V~415V: 394kW~556kW 380V~500V: 463kW~694kW 525V~690V: 437kW~639kW	380V~415V: 749kW~1056kW 380V~500V: 880kW 525V~690V: 829kW~1214kW	380V~415V: 423kW~595kW 525V~690V: 684kW~1026kW	380V~415V: 787kW~1106kW 525V~690V: 1272kW~1909kW
Function Type	AC/DC power supply module	AC/DC power supply module	AC/DC power supply module	AC/DC power supply module
Max. Weight (kg)	460	650	320	480
Dimensions in mm (W×D×H)	631×624×1450	874×624×1450	631×624×1450	874×624×1450

Item	Water-cooled Diode Power Supply Module	Water-cooled Active Power Supply Module	Water-cooled Drive Module	Water-cooled Single-Drive
Photo				
Frame Size	D3D/D3T	H7w/H8w	H7w/H8w	H7w
Power Rating	525V~690V: 2273kW 1689kW	525V~690V: 627kW~970kW	525V~690V: 530kW~900KW	525V~690V: 340kW~530kW
Function Type	AC/DC power supply module	AC/DC power supply module	DC/AC drive module	AC/DC/AC converter
Max. Weight (kg)	26.5/62	49/88	49/88	55
Dimensions in mm (W×D×H)	D3D: 473×317×460 D3T: 540×330×172	H7w: 230×456×720 H8w: 210×450×1020	H7w: 230×456×720 H8w: 210×450×980	H7w:230×456×720

Item	Single-phase Braking Module	DC Chopper	Three-phase Braking Module
Photo			
Frame Size	MD880-61M	H3/H4/H6/H7/H8A	H8
Power Rating	690V system: Normal duty without overload: 147kW Heavy overload: 298kW Quick overload: 404kW	400V system: 50kW~500kW 500V system: 300kW 690V system: 100kW~600kW	400V system: Normal duty without overload: 500kW~750kW Heavy overload: 640kW~800kW 690V system: Normal duty without overload: 870kW~1300kW Heavy overload: 1110kW~1390kW
Function Type	Single-phase braking module	DC/DC converter	Three-phase braking module
Max. Weight (kg)	11	80	130
Dimensions in mm (W×D×H)	240×176×460	H3: 100×413×415 H4: 200×413×415 H6: 180×438×770 H7: 180×463×920 H8A: 230×582×939	230×582×1395

MD880 Series Products

Control system and function module options

No.	Name	Model	Description
1	Control module	HCU-20-INT	Basic power supply control module
		HCU-30-INT	Regenerative power supply control module
		HCU-40-INT	Active power supply control module
		HCU-50S-INT /HCU-50S-CS-INT	2nd generation of drive control module
		HCU-60-INT	Three-phase braking control module
		HCU-80-INT	DC chopper control module
2	Paralleled-module control module	HPCU-40-INT	2 to 4 paralleled modules supported
		HPCU-60-INT	2 to 6 paralleled modules supported
		HPCU-A0-INT	2 to 10 paralleled modules supported
3	Function extension module	HESD-10-INT	Extension of 1 slot supported
4	Voltage/Current detection module	HSVM-10-INT	Three-phase AC input voltage detection
		HSVM-20-INT	Voltage/Current detection module (1-channel voltage and 2-channel current supported)
5	Encoder detection module	HPG-10-INT	HTL incremental differential, single-ended, OC or OE encoder detection, frequency-division output
		HPG-30-INT	Sin/Cos encoder detection module
		HPG-40-INT	Resolver detection
		HPG-50-INT	TTL incremental OC or differential encoder detection, frequency-division output
6	Inobus optical fiber extension module	HOFM-10-INT	1 pair of 50 M optical fiber extension module
		HOFM-30-INT	3 pairs of 50 M optical fiber extension module
7	Intelligent operating panel	SOP-20-880-INT	Operating panel for commissioning and monitoring
8	Fieldbus adapter module	HCAN-10-INT	CANopen fieldbus adapter
		HMBA-10-INT	Modbus RTU fieldbus adapter
		HDP-10-INT	PROFIBUS-DP fieldbus adapter
9	Industrial Ethernet module	HPFN-10-INT	PROFINET IO industrial Ethernet
		HPFN-20-INT	Profinet IRT Busc ommunication module
		HETC-10-INT	EtherCAT industrial Ethernet
10	Ethernet commissioning module	HETN-10-INT	Ethernet commissioning module
11	Optical fiber router module	HOFR-50-INT	Information exchange of 2 to 5 HCU controllers (master/slave communication achieved through optical fibers)
12	I/O extension module	HIO-10-INT	2 AIs; 2 AO2; 2 DIOs; 1 relay output
13	Process data collection module	HIBA-10-INT	PDA collection module
14	Remote service gateway	HGW-10-INT	Centralized monitoring module

Comprehensive Technical Data for MD880

Item		Description
Basic power supply module	Input voltage	4: 380V AC~415V AC, 7: 525V AC~690V AC; -10% to +10% (-15%, < 1 min)
	Input frequency range	47Hz~63 Hz
	Output voltage	4: 540V DC~590V DC, 7: 740V DC~975V DC
	Overload capacity	Light overload: Continuous operation of 1 min allowed for 110%×rated load every 5 min; Heavy overload: Continuous operation of 1 min allowed for 150%×rated load every 5 min
	Operating efficiency	Higher than 98%
	Fundamental power factor	Higher than 0.95 (full load at rated values)
Regenerative power supply module	Input voltage	4: 380V AC~415V AC; 7: 525V AC~690V AC; -10% to +10% (-15%, < 1 min)
	Input frequency range	47Hz~63Hz
	Output voltage	4: 540V DC~590V DC; 7: 740V DC~975V DC
	Overload capacity	Light overload: Continuous operation of 1 min allowed for 110%×rated load every 5 min; Heavy overload: Continuous operation of 1 min allowed for 150%×rated load every 5 min
	Operating efficiency	Higher than 98%
	Fundamental power factor	Higher than 0.95 (full load at rated values)
Active power supply module	Input voltage	4: 380V AC~415V AC; 5: 380V AC~500V AC; 7: 525V AC~690V AC; -10% to +10% (-15%, < 1 min)
	Input frequency range	47Hz~63Hz
	Output voltage	4: 540V DC~720V DC; 5: 570V DC~750V DC; 7: 740V DC~975V DC
	Overload capacity	Light overload: Continuous operation of 1 min allowed for 110%×rated load every 5 min; Heavy overload: Continuous operation of 1 min allowed for 150%×rated load every 5 min
	Operating efficiency	Higher than 97%
	Fundamental power factor	Higher than 0.99 (full load at rated values)
	Input harmonic current	THDI < 5% (rated power); THDU < 5% (Rzc > 20)
Drive module/ Single-drive	Input voltage	Multi-drive: 4: 540V DC~720V DC; 5: 540V DC~50V DC; 7: 740V DC~975V DC Single-drive: 4: 380V AC~480V AC; 7: 525V AC~690V AC
	Output voltage	Multi-drive: 4: 0V AC~415V AC; 5: 0V AC~500V AC; 7: 0V AC~690V AC; Single-drive: 7: 0V AC~690V AC
	Output frequency	0Hz~300Hz (Contact Inovance for frequencies higher than 300 Hz.)
	Operating efficiency	Higher than 98%
	Motor control mode	V/f, SVC, FVC
	Speed regulation range	V/f: 1:50; SVC: 1:200; FVC: 1:1000
	Speed control precision	SVC: ±10%; Fs (slip rate); FVC: ±0.01%
	Torque response	Open-loop: 5 ms; closed-loop: 3 ms
	Torque control mode	Sensorless vector control; feedback vector control
	Starting torque	0.5 Hz/150% (SVC); 0 Hz/200% (FVC)
	Overload capacity	Light overload: Continuous operation of 1 min allowed for 110%×rated load every 5 min; Heavy overload: Continuous operation of 1 min allowed for 150%×rated load every 5 min

Item		Description
DCDC	Voltage on high voltage side	4: 540V~720V; 5: 540V~850V; 7: 740V~1050V
	Voltage on the low voltage side	4: 24V~670V; 5: 24V~800V; 7: 24V~1000V
	Voltage accuracy	Low-voltage side ⩽ 0.1% Fs; High-voltage side ⩽ 1% Fs
	Current accuracy	⩽ 1% Fs
	Response time	⩽ 3 ms (response time for increasing from 10% to 90% of rated current)
	Switchover time	⩽ 6 ms (response time for changing from +90% to -90% of rated current)
	Overall efficiency	⩾ 97%
	Overload capacity	Quick overload: 200% I_{fast} 10s overload for every 60s Heavy-overload: a minute of operation at 150% of rated current (150%I_H) allowed every 5 minutes
Connection	Analog input	2 AIs: -10V to +10V or -20 mA to +20 mA (selected through jumper)
	Analog output	2 AOs: 0V to 10V or 0 mA to 20 mA (selected through jumper)
	Digital input	7 DIs: NPN/PNP; "0" < 5; "1" > 15, Rin: 2 kΩ
	High-speed digital input	2 high-speed DIs: NPN/PNP; "0" < 5; "1" > 15; Rin: 2 kΩ 24V logic level, input frequency < 100 kHz
	High-speed digital output	2 high-speed DOs: OC; max. input voltage: 30V DC; 24V logic level, output frequency < 100 kHz
	Relay output	3 relay outputs; NO or NC output; 250V AC/30V DC, 2 A
	Intelligent operating panel or PC	Interface mode: Dual-RJ45 interface; physical layer: EIA-485; master-slave mode; max. communication rate: 4 Mbps
	Safety function	Safe torque off (optional)
	Inolink communication	Physical layer: EIA-485; max. communication rate: 5 Mbps
Ambient condition	Ambient temperature	-10°C to +40°C (non-frosting); derating required for temperatures between 40°C and 50°C
	Ambient humidity	5% to 95% (without condensation)
	Mounting altitude	Derating is not required for altitudes not higher than 1000 m. For altitudes higher than 1000 m, derate 1% for every additional 100 m. The maximum altitude is 4000 m. An isolation transformer is needed on the input side for altitudes higher than 2000 m.
Mechanical data	Vibration resistance	Compliant with Class 3M4 in GB/T4798.3
	IP rating	Module: IP00; Cabinet: IP21 IP23 and IP43 are optional.
	Safety performance	Compliant with EN 61800-5-1
	Cooling mode	AF (forced air cooling) compliant with EN 60146
	Enhanced reliability	Conformal coated PCBs compliant to 3S2 and 3C2 environments

Structure and Features of MD880 Multi-drive System

Power supply module

Incoming line cabinet

Auxliary cabinet

Instruments

- voltmeter, ammeter
- Swith-on button, switch-off button, fault indicator
- Reset button, emergency stop button, remote/local switchover button

SOP-20-880 operating panel

Air circuit-breaker

- Max. breaking capacity reaching 100 kA, with comprehensive protective functions, easy installation, and high reliability

Bridging cabinet

- Used to connect two groups of cabinets with over-long width to realize common DC bus.

Drive cabinet

- High power density, covering 3.7 kW to 5600 kW

Fuse-type disconnector Option

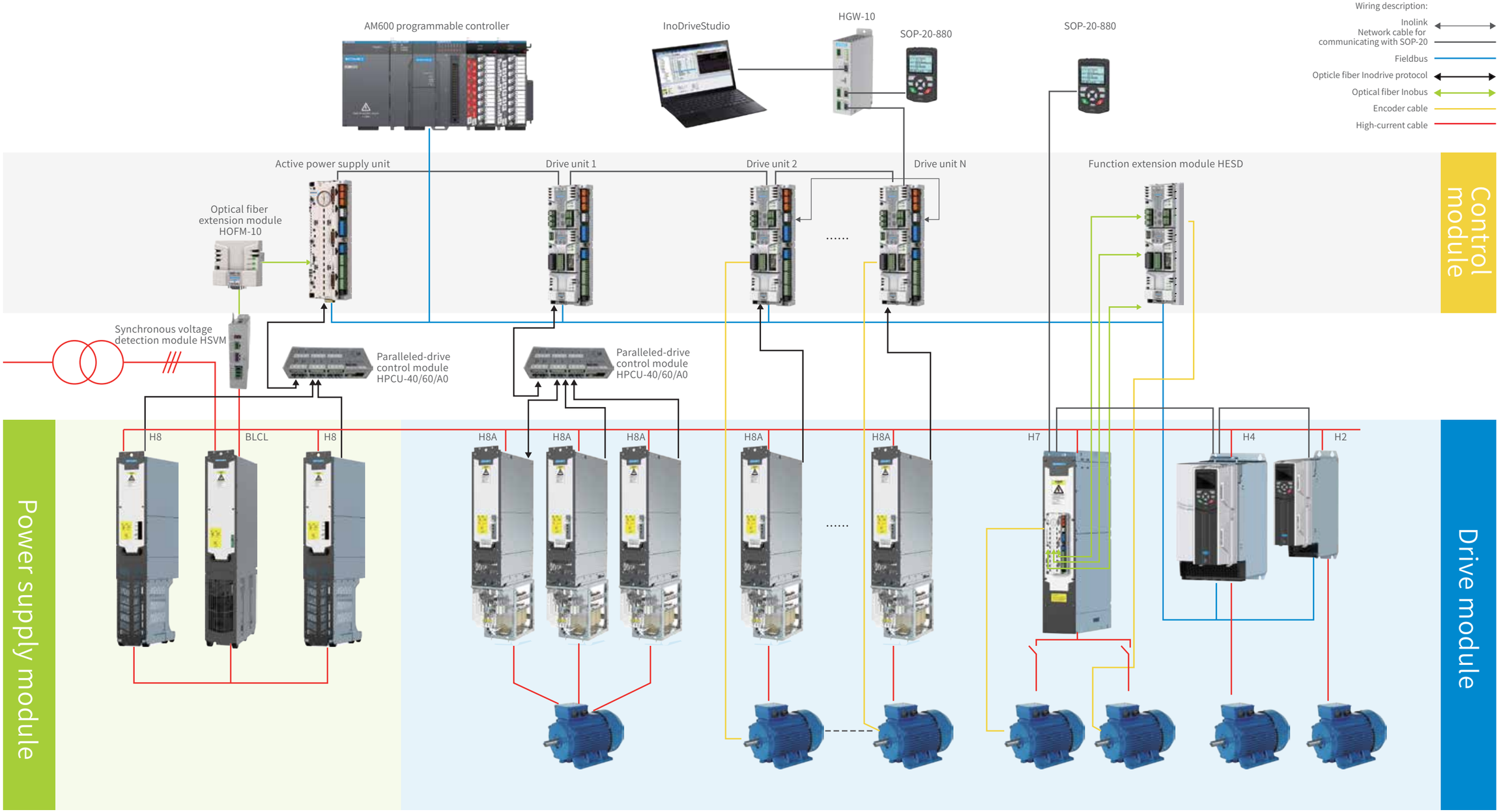
- Integrated with isolative and protective functions to support online maintenance of drive cabinet
- Adopting quick-acting fuse to trigger safety protectior quickly and improve reliability

Power module

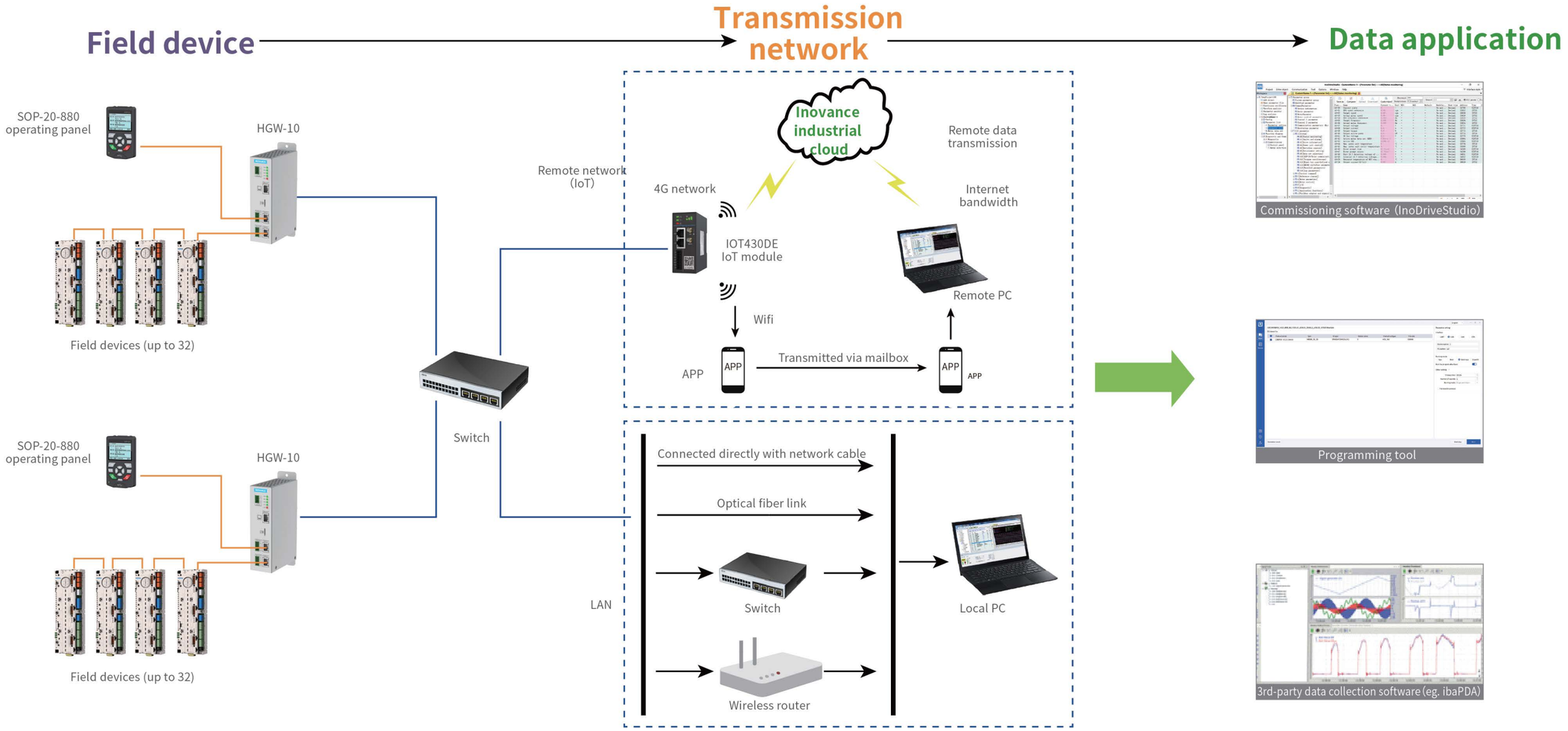
- Modular structure to maximize space utilization and reduce footprint
- Floor-mounting for high-power modules for easy maintenance

Note: We can provide well-assembled cabinets or standard power units as needed.

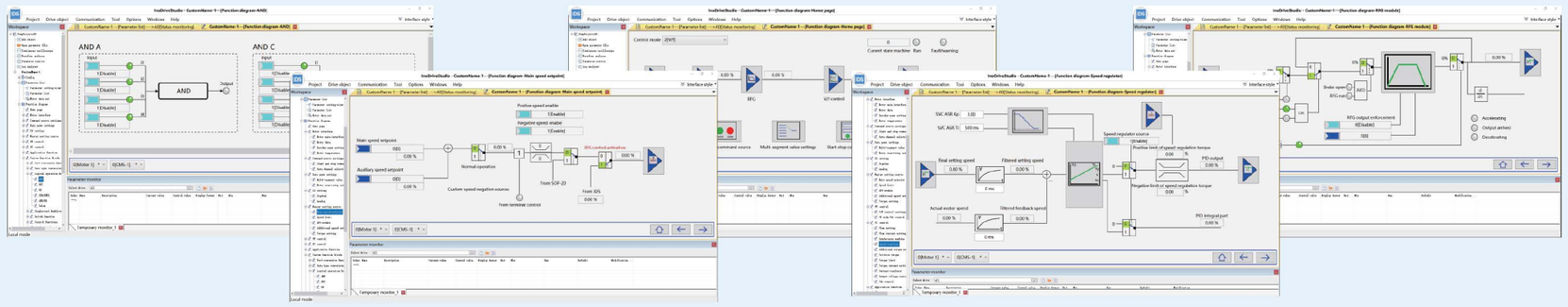
Topology of MD880 Multi-Drive System



Centralized Monitoring/Remote Service Network

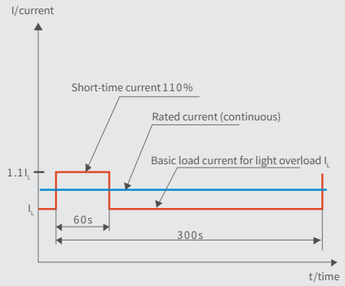


Graphical commissioning interface



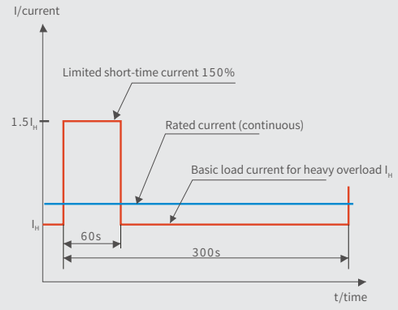
Technical Data of MD880 Series Porducts

Light-overload curve



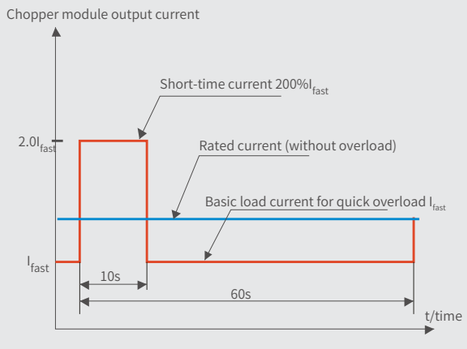
The basic load current (I_L) for light-overload mode is kept 60s cyclically per 110% load.

Heavy-overload curve



The basic load current (I_H) for heavy-overload mode is kept 60s cyclically per 150% load.

DCDC quick overload curve



Technical data of MD880 Series Multi-drive Products

MD880LC-01S series water-cooled single-drive products

Un = 690V (525–690V); ±10% (-15%, < 1 min) at 690V rated power

Model MD880LC-01S...-INT	Normal Duty Without Overload		Ligh-Overload Application		Heavy-Overload Application		Power Loss c/a/T[<1>] (kW)	Outline Dimensions (W×D×H)
	I_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0340-7	340	315	326	315	272	250	5.7/0.3/6.0	230×456×720
0530-7	530	500	509	500	424	400	9.0/0.5/9.5	

MD880LC-20M series water-cooled diode power supply module

Un = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power

Model MD880LC-20M...-INT	Normal Duty Without Overload				Ligh-Overload Application		Heavy-Overload Application		Rated Power Loss (kW)	Frame Size
	I_N	I_N	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
2000-7	2000	2441	2390	2273	2343	2182	1952	1819	11	D3D
3720-7	3720	4540	4446	4229	4358	4059	3632	3383	21	2×D3D

MD880LC-20M series water-cooled SCR power supply module

Un = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power

Model MD880LC-20M...-INT	Normal Duty Without Overload				Ligh-Overload Application		Heavy-Overload Application		Rated Power Loss (kW)	Frame Size
	I_N	I_N	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
1520-7	1520	1814	1776	1689	1741	1622	1360	1267	8.5	D3T
	2827	3373	3304	3142	3238	3017	2530	2357	16	2*D3T
	4241	5060	4956	4713	4858	4525	3795	3535	24	3*D3T
	5654	6747	6608	6285	6477	6033	5060	4713	32	4*D3T

MD880LC-40M series water-cooled AFE (Active Front End)

Un = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power

Model MD880LC-40M...-INT	Normal Duty Without Overload				Ligh-Overload Application		Heavy-Overload Application		Power Loss c/a/T[1] (kW)	Frame Size
	I_N	I_N	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0530-7	530	606	633	627	582	602	485	502	8.0/0.5/8.5	H7w
0650-7	650	743	777	769	713	738	594	615	9.8/0.6/10.4	H7w
0820-7	820	937	980	970	900	931	703	728	10.3/1.8/12.1	H8w
1235-7	1235	1412	1476	1461	1355	1403	1129	1169	19.6/1.2/20.8	2×H7w
1558-7	1558	1781	1862	1843	1710	1770	1336	1382	20.6/3.6/24.2	2×H8w
1852-7	1852	2117	2213	2191	2032	2104	1694	1753	29.4/1.8/31.2	3×H7w
2337-7	2337	2671	2793	2765	2565	2654	2004	2074	30.9/5.4/36.3	3×H8w
3116-7	3116	3562	3724	3687	3419	3539	2671	2765	41.2/7.2/48.4	4×H8w

※ Note: [1] c=power loss dissipated in the coolant; A=power loss dissipated in the air; T=total power loss, excluding power loss of the filter.
The filter loss can be found in the 《MD880LC Series Multi Transmission Inverter Hardware Manual》.

MD880LC-50M series water-cooled drive module

Un = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power

Model MD880LC-50M...-INT	Normal Duty Without Overload		Ligh-Overload Application		Heavy-Overload Application		Power Loss c/a/T[1] (kW)	Frame Size
	I_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(DC)	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0340-7	340	315	326	315	272	250	5.7/0.3/6.0	H7w
0530-7	530	500	509	500	424	400	9.0/0.5/9.5	H7w
0650-7	650	630	624	630	520	500	10.7/0.6/11.3	H7w
0900-7	900	900	864	800	675	630	16.2/0.9/17.1	H8w
1235-7	1235	1200	1186	1200	988	900	21.4/1.2/22.6	2×H7w
1710-7	1710	1600	1642	1600	1283	1200	32.4/1.8/34.2	2×H8w
2565-7	2565	2500	2462	2400	1924	1800	48.6/2.7/51.3	3×H8w
3087-7	3087	3000	2964	2800	2470	2400	53.5/3/56.5	5×H7w
3420-7	3420	3200	3283	3200	2565	2500	64.8/3.6/68.4	4×H8w

Technical data of MD880 Series Multi-drive Products

MD880-20 series basic power supply module

UN = 400V (380–415V), ±10% (-15%, < 1 min) at 400V rated power											
Model MD880-20... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
6 pulse waves											
0718-4	718	879	1142	497	475	844	456	659	356	3.52	T2
0982-4	982	1202	1562	680	649	1154	623	901	487	5.12	T2
1336-4	1336	1635	2126	926	883	1570	848	1226	662	7.04	2×T2
1826-4	1826	2235	2905	1265	1207	2146	1159	1676	905	10.24	2×T2
2739-4	2739	3352	4358	1898	1810	3218	1738	2514	1358	15.36	3×T2
3651-4	3651	4469	5809	2529	2413	4290	2317	3351	1810	20.48	4×T2
4564-4	4564	5586	7262	3162	3016	5363	2896	4190	2262	25.6	5×T2
5477-4	5477	6704	8715	3794	3620	6435	3475	5028	2715	30.72	6×T2
12 pulse waves											
1336-4	1336	1635	2126	926	883	1570	848	1226	662	7.04	2×T2
1826-4	1826	2235	2905	1265	1207	2146	1159	1676	905	10.24	2×T2
2674-4	2674	3273	4255	1853	1767	3142	1697	2455	1325	14.08	4×T2
3651-4	3651	4469	5809	2529	2413	4290	2317	3351	1810	20.48	4×T2
4008-4	4008	4906	6377	2777	2649	4709	2543	3679	1987	21.12	6×T2
5477-4	5477	6704	8715	3794	3620	6435	3475	5028	2715	30.72	6×T2

UN = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power											
Model MD880-20... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
6 pulse waves											
0570-7	570	698	907	681	650	670	624	523	487	2.96	T2
0815-7	815	998	1297	974	929	958	892	748	697	4.32	T2
1061-7	1061	1299	1688	1268	1210	1247	1161	974	907	5.92	2×T2
1515-7	1515	1854	2411	1811	1727	1780	1658	1391	1295	8.64	2×T2
2273-7	2273	2782	3617	2716	2591	2671	2488	2087	1944	12.96	3×T2
3031-7	3031	3710	4823	3622	3456	3561	3317	2782	2592	17.28	4×T2
3788-7	3788	4636	6027	4527	4319	4451	4146	3477	3239	21.6	5×T2
4546-7	4546	5564	7233	5433	5183	5341	4976	4173	3887	25.92	6×T2
12 pulse waves											
1061-7	1061	1299	1688	1268	1210	1247	1161	974	907	5.92	2×T2
1515-7	1515	1854	2411	1811	1727	1780	1658	1391	1295	8.64	2×T2
2122-7	2122	2597	3376	2536	2419	2493	2323	1948	1814	11.84	4×T2
3031-7	3031	3710	4823	3622	3456	3561	3317	2782	2592	17.28	4×T2
4546-7	4546	5564	7233	5433	5183	5341	4976	4173	3887	25.92	6×T2

※Note: Data in the preceding table are for reference only.

Technical data of MD880 Series Multi-drive Products

MD880-30 series regenerative power supply module

UN = 400V (380–415V), ±10% (-15%, < 1 min) at 400V rated power											
Model MD880-30... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0640-4	640	783	1018	443	423	752	406	587	317	7.9	L+H8
0900-4	900	1102	1432	624	595	1057	571	826	446	12	L+H8
1190-4	1190	1457	1894	825	787	1399	755	1093	590	14.1	L+2×H8
1674-4	1674	2049	2664	1160	1106	1967	1062	1537	830	22.4	L+2×H8
2380-4	2380	2913	3787	1649	1573	2796	1510	2185	1180	28.2	2×(L+2×H8)
3348-4	3348	4098	5327	2319	2213	3934	2124	3073	1660	44.8	2×(L+2×H8)
5022-4	5022	6147	7991	3479	3319	5901	3186	4610	2489	67.2	3×(L+2×H8)

UN = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power											
Model MD880-30... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0600-7	0600	734	955	717	684	705	657	551	513	9.2	L+H8
0900-7	0900	1102	1432	1076	1026	1057	985	826	770	13.1	L+H8
1116-7	1116	1366	1776	1334	1272	1311	1221	1024	954	16.5	L+2×H8
1674-7	1674	2049	2664	2001	1909	1967	1832	1537	1431	24.4	L+2×H8
2232-7	2232	2732	3551	2667	2545	2623	2443	2049	1909	33	2×(L+2×H8)
3348-7	3348	4098	5327	4001	3817	3934	3664	3073	2863	48.8	2×(L+2×H8)
5022-7	5022	6147	7991	6002	5726	5901	5497	4610	4294	73.2	3×(L+2×H8)

※Note: Data in the preceding table are for reference only.

Technical data of MD880 Series Multi-drive Products

MD880-40 series active power supply module

UN = 400V (380–415V), ±10% (-15%, <1min) at 400V rated power											
Model MD880-40... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0094-4	94	107	140	65	64	103	62	81	48	1.6	LCL+H3
0149-4	149	170	221	103	102	164	98	128	77	2.6	LCL+H4
0183-4	183	209	272	127	126	201	120	157	94	3.2	LCL+H4
0299-4	299	342	444	207	205	328	197	256	154	5.2	LCL+H6
0395-4	395	452	587	274	271	433	260	339	203	6.8	LCL+H7
0575-4	575	657	854	398	394	631	379	493	296	10.7	BLCL+H8
0810-4	810	926	1204	561	556	889	533	694	417	15.5	BLCL+H8
1092-4	1092	1248	1623	757	749	1198	719	936	562	20.3	BLCL+2×H8
1539-4	1539	1759	2287	1066	1056	1689	1013	1319	792	29.5	BLCL+2×H8
2185-4	2185	2498	3247	1514	1499	2398	1439	1873	1124	40.6	2×(BLCL+2×H8)
3078-4	3078	3519	4574	2132	2111	3378	2027	2639	1583	58.9	2×(BLCL+2×H8)
4617-4	4617	5278	6861	3199	3167	5067	3040	3958	2375	88.4	3×(BLCL+2×H8)

UN = 500V (380–500V), ±10% (-15%, < 1 min) at 500V rated power											
Model MD880-40··· -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A (AC)	A (DC)	A (DC)	kVA	kW	A(DC)	kW(DC)	A(DC)	kW(DC)		
0540-5	540	617	802	468	463	593	444	463	347	12	BLCL+H8
0810-5	810	926	1204	701	694	889	667	694	521	18	BLCL+H8
1026-5	1026	1173	1525	889	880	1126	844	880	660	22	BLCL+2×H8
1539-5	1539	1759	2287	1333	1319	1689	1267	1319	990	36	2×(BLCL+H8)
2052-5	2052	2346	3049	1777	1759	2252	1689	1759	1319	44	2× (BLCL+2×H8)
2309-5	2309	2639	3431	2000	1980	2534	1900	1980	1485	54	3×(BLCL+H8)
3078-5	3078	3519	4574	2666	2639	3378	2533	2639	1979	72	4×(BLCL+H8)
3848-5	3848	4399	5718	3332	3299	4223	3167	3299	2474	90	5×(BLCL+H8)
4617-5	4617	5278	6861	3998	3958	5067	3800	3958	2969	108	6×(BLCL+H8)

UN = 690V (525–690V), ±10% (-15%, < 1 min) at 690V rated power											
Model MD880-40... -INT	Normal Duty Without Overload					Ligh-Overload Application		Heavy-Overload Application		Power Loss (kW)	Frame Size
	I_N	I_N	I_{Max}	S_N	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(DC)	A(DC)	kVA	kW(DC)	A(DC)	kW(DC)	A(DC)	kW(DC)		
0369-7	0369	422	548	441	437	405	419	316	327	12.4	BLCL+H8
0540-7	0540	617	802	645	639	593	613	463	479	16.5	BLCL+H8
0701-7	0701	801	1042	838	829	769	796	601	622	23.6	BLCL+2×H8
1026-7	1026	1173	1525	1226	1214	1126	1165	880	910	31.4	BLCL+2×H8
1402-7	1402	1603	2083	1676	1659	1539	1592	1202	1244	47.2	2×(BLCL+2×H8)
2052-7	2052	2346	3049	2452	2428	2252	2331	1759	1821	62.8	2×(BLCL+2×H8)
3078-7	3078	3519	4574	3678	3642	3378	3496	2639	2731	94.2	3×(BLCL+2×H8)
4104-7	4104	4691	6099	4905	4856	4504	4661	3519	3642	126	4×(BLCL+2×H8)
5130-7	5130	5864	7632	6131	6069	5630	5827	4398	4552	157	5×(BLCL+2×H8)

※Note: Data in the preceding table are for reference only.

Technical data of MD880 Series Multi-drive Products

MD880-50 series drive module

UN = 400V (380–415V), ±10% (-15%, < 1 min) at 400V rated power									
Model MD880-50... -INT	Normal Duty Without Overload			Ligh-Overload Application		Heavy-Overload Application		Power Loss (W)	Frame Size
	I_N	I_{Max}	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)		
0009-4	9	11	3.7	9	3.7	5.1	2.2	100.0	H1
0013-4	13	15.6	5.5	13	5.5	9	3.7	136.0	H1
0017-4	17	21	7.5	17	7.5	13	5.5	168.0	H1
0023-4	23	27	11	22	11	17	7.5	190.0	H1
0033-4	33	40	15	32	15	25	11	290	H2
0038-4	38	51	18.5	37	18.5	32	15	308	H2
0048-4	48	59	22	45	22	37	18.5	401	H2
0060-4	60	72	30	58	30	45	22	502	H3
0078-4	78	96	37	75	37	60	30	592	H3
0094-4	94	120	45	91	45	75	37	735	H3
0116-4	116	146	55	112	55	91	45	762	H4
0149-4	149	179	75	143	75	112	55	1150	H4
0183-4	183	240	90	176	90	150	75	1468	H4
0245-4	245	294	110	236	110	184	90	1758	H6
0299-4	299	358	132	287	132	224	110	2104	H6
0349-4	349	419	160	335	160	262	132	2587	H7
0395-4	395	486	200	380	200	296	160	3203	H7
0516-4-(L)	516	619	250	495	250	387	200	4921	H8A (H8)
0639-4-(L)	639	766	355	613	315	479	250	6701	H8A (H8)
0757-4-(L)	757	909	400	727	400	568	315	7960	H8A (H8)
0900-4-(L)	900	1080	500	864	450	675	355	10133	H8A (H8)
1213-4-(L)	1213	1456	630	1165	630	910	500	13402	2×H8A (2×H8)
1439-4-(L)	1439	1727	800	1381	800	1079	630	15920	2×H8A (2×H8)
1710-4-(L)	1710	2052	1000	1642	900	1283	710	20266	2×H8A (2×H8)
2158-4-(L)	2158	2590	1200	2072	1200	1619	900	23880	3×H8A (3×H8)
2565-4-(L)	2565	3078	1400	2072	1400	1924	1000	30399	3×H8A (3×H8)
3420-4-(L)	3420	4104	1800	3283	1800	2565	1400	40532	4×H8A (4×H8)
4275-4-(L)	4275	5130	2400	4104	2000	3206	1800	50665	5×H8A (5×H8)
5130-4-(L)	5130	6156	2800	4925	2400	3848	2000	60798	6×H8A (6×H8)

UN = 500V (380–500V), ±10% (-15%, < 1 min) at 500V rated power									
Model MD880-50... -INT	Normal Duty Without Overload			Ligh-Overload Application		Heavy-Overload Application		Power Loss (W)	Frame Size
	I_N	I_{Max}	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)		
0349-5	349	454	250	335	200	262	160	2911	H7
0590-5	590	767	400	566	355	443	250	7960	H8A
0810-5	810	1053	560	778	500	608	400	11350	H8A
1121-5	1121	1457	800	1076	710	841	560	15920	2×H8A
1539-5	1539	2001	1100	1477	1000	1154	800	22700	2×H8A
1682-5	1682	2187	1200	1615	1100	1262	800	23880	3×H8A
2309-5	2309	3001	1600	2216	1500	1731	1200	34050	3×H8A
3078-5	3078	4001	2000	2955	2000	2309	1600	45400	4×H8A
3848-5	3848	5002	2400	3694	2400	2886	2000	56750	5×H8A
4617-5	4617	6002	3200	4432	2800	3463	2400	68100	6×H8A

Technical data of MD880 Series Multi-drive Products

MD880-50 series drive module

UN: Three-phase 690V AC (range: 525–690V AC)									
Model MD880-50...-INT	Rated Value			Ligh-Overload Application		Heavy-Overload Application		Power Loss (W)	Frame Size
	I_N	I_{Max}	P_N	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}		
	A(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)	A(AC)	kW(AC)		
0062-7	62	74	55	60	55	46	45	798	H6
0082-7	82	98	75	79	75	61	55	1163	H6
0099-7	99	119	90	95	90	74	75	1321	H6
0125-7	125	150	110	120	110	94	90	1494	H6
0144-7	144	173	132	138	132	108	110	1788	H6
0192-7	192	230	160	184	160	144	132	2436	H6
0217-7	217	260	200	215	200	162	160	2724	H7
0270-7	270	324	250	260	250	202	200	3342	H7
0340-7-(L)	340	408	315	326	315	255	250	5109	H8A(H8)
0410-7-(L)	410	492	400	394	355	308	315	6143	H8A(H8)
0530-7-(L)	530	636	500	509	450	398	355	7912	H8A(H8)
0600-7-(L)	600	720	560	576	560	450	400	9086	H8A(H8)
0650-7-(L)	650	780	630	624	560	488	450	10080	H8A(H8)
0721-7-(L)	721	865	710	692	630	541	560	11000	H8A(H8)
0779-7-(L)	779	935	800	748	710	584	560	12286	2×H8A（2×H8)
1007-7-(L)	1007	1208	1000	967	900	755	710	15824	2×H8A（2×H8)
1140-7-(L)	1140	1368	1100	1094	1000	855	800	18172	2×H8A（2×H8)
1235-7-(L)	1235	1482	1200	1186	1100	926	900	20160	2×H8A（2×H8)
1370-7-(L)	1370	1644	1300	1315	1200	1027	1000	22000	2×H8A（2×H8)
1510-7-(L)	1510	1812	1400	1450	1400	1133	1100	23736	3×H8A（3×H8)
1710-7-(L)	1710	2052	1600	1642	1600	1283	1200	27258	3×H8A（3×H8)
1853-7-(L)	1853	2223	1800	1778	1700	1389	1300	30240	3×H8A（3×H8)
2055-7-(L)	2055	2466	2000	1973	1900	1541	1500	33000	3×H8A（3×H8)
2280-7-(L)	2280	2736	2000	2189	2000	1710	1600	36344	4×H8A（4×H8)
2470-7-(L)	2470	2964	2400	2371	2300	1853	1800	40320	4×H8A（4×H8)
2740-7-(L)	2740	3288	2700	2630	2600	2055	2000	44000	4×H8A（4×H8)
3088-7-(L)	3088	3705	3000	2964	2900	2316	2300	50400	5×H8A（5×H8)
3425-7-(L)	3425	4110	3400	3288	3200	2569	2500	55000	5×H8A（5×H8)
3705-7-(L)	3705	4446	3600	3557	3500	2779	2700	60480	6×H8A（6×H8)
4110-7-(L)	4110	4932	4000	3945	3900	3082	3000	66000	6×H8A（6×H8)
4323-7-(L)	4323	5187	4300	4150	4100	3242	3200	70560	7×H8A（7×H8)
4795-7-(L)	4795	5754	4700	4603	4500	3596	3500	77000	7×H8A（7×H8)
4940-7-(L)	4940	5928	4900	4742	4700	3705	3600	80640	8×H8A（8×H8)
5480-7-(L)	5480	6576	5400	5260	5200	4110	4000	88000	8×H8A（8×H8)

※Note: Data in the preceding table are for reference only.

Technical data of MD880 Series Multi-drive Products

MD880-60 series three-phase braking module

Model MD880-60...-INT	Resistance of Braking Unit (Single-Phase)		Braking Threshold Ubr	Without Overload			Cyclic Overload (1 min/5 min)		
				I_{dc}	I_{rms}	P	I_{dc}	I_{rms}	P
	Ω		V	A(DC)	A(AC)	kW	A(DC)	A(AC)	kW
0500-4	R_{min}	1.7	653	781	310	500	999	351	640
	R_{max}	2.1		781	282	500	827	291	530
0750-4	R_{min}	1.2		1171	465	750	1499	527	960
	R_{max}	1.4		1171	424	750	1241	436	800
0870-7	R_{min}	3.0	1126	781	310	870	999	351	1110
	R_{max}	3.6		781	283	870	833	293	920
1300-7	R_{min}	2.0		1171	465	1300	1499	527	1660
	R_{max}	2.4		1171	425	1300	1249	439	1390

MD880-61M single-phase braking module

Model MD880-61...-INT	Resistance of Braking Unit (Single-Phase)		Braking Threshold Ubr	Without Overload		Cyclic Overload (1 min/5 min)		Quick Overload (10s/60s)	
				I_{rms}	P_{cont}	I_{rms}	P_{br}	I_{rms}	P_{br}
	Ω		V	A(AC)	kW	A(AC)	kW	A(AC)	kW
0400-7	R_{min}	2.72	1126	131	147	267	298	361	404

MD880-80 series DCDC

Model MD880-80⋯-INT	Voltage			Rated Value		Quick Overload (10s/60s)			Heavy-Overload Application (1 min/5 min)		Power Loss (W)	Frame Size
	VI	VO	VO_{nom}	I_N	P_N	I_{fast}	I_{max}	P_{fast}	I_{Hd}	P_{Hd}		
	V(DC)	V(DC)	V(DC)	A(DC)	kW	A(DC)	A(DC)	kW	A(DC)	kW		
0100-4	540~720	24~670	500	100	50	75	150	38	85	43	592	H3+LC
0200-4	540~720	24~670	500	200	100	150	300	75	170	85	762	H4+LC
0300-4	540~720	24~670	500	300	150	225	450	113	255	128	1468	H4+LC
0400-4	540~720	24~670	500	400	200	300	600	150	340	170	2104	H6+LC
0500-4	540~720	24~670	500	500	250	375	750	188	425	213	2587	H7+LC
0600-4	540~720	24~670	500	600	300	450	900	225	510	255	3203	H7+LC
0800-4	540~720	24~670	500	800	400	600	1200	300	680	340	4921	H8A+LC
1000-4	540~720	24~670	500	1000	500	750	1500	375	850	425	6701	H8A+LC
0600-5	540~850	24~800	500	600	300	450	900	225	510	255	3203	H7+LC
0100-7	740~1050	24~1000	1000	100	100	75	150	75	85	85	1321	H6+LC
0200-7	740~1050	24~1000	1000	200	200	150	300	150	170	170	2436	H6+LC
0300-7	740~1050	24~1000	1000	300	300	225	450	225	255	255	5109	H8A+LC
0400-7	740~1050	24~1000	1000	400	400	300	600	300	340	340	6143	H8A+LC
0500-7	740~1050	24~1000	1000	500	500	375	750	375	425	425	7912	H8A+LC
0600-7	740~1050	24~1000	1000	600	600	450	900	450	510	510	9086	H8A+LC