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MD800 Series Standard AC Drive (Multidrive System)

Making small automated devices smarter



Industrial
Automation



Intelligent
Elevator



New Energy
Vehicle



Industrial
Robot



Rail
Transit



About Inovance



Shenzhen Inovance Technology Co., Ltd.

Headquartered in Shenzhen and multiple subsidiaries in major cities including Suzhou and Hongkong.

Shenzhen Inovance Technology Co., Ltd. focuses on automation, digitalization, and intelligence in industrial fields and core technologies in the information layer, control layer, drive layer, execution layer, and perception layer.

Over 18 years of development, Inovance has grown into an industry giant covering business sectors including general automation, elevator electrical accessory, electric drive and power supply systems for new energy vehicles, industrial robot, and rail transit, with products and solutions covering AC drives, servo systems, control systems, integrated machines, high-performance motors, encoders, industrial robots, precision machineries, electric drive and power supply assembly systems, and traction systems, which are widely applied in various industries.

Through making generous investment in R&D and providing innovative industry-tailored products and comprehensive solutions integrated with industrial control and process, Inovance is leading the edge not only in core technologies of motor drive and control, power electronics, and industrial network communication, but also in industries including elevator, air compressor, textile, crane, 3C manufacturing, lithium battery, photovoltaic, and new energy vehicle, as demonstrated by the benchmarking products in the industry including integrated elevator controllers, integrated motor controllers for new energy vehicles, integrated controllers for air compressors, and dedicated machines for vehicle air conditioners. Inovance has become the leading supplier for industrial automation products and electric control products for new energy vehicles through mastering core technologies of vector control, servo systems, PLCs, encoders, and permanent magnet synchronous motors and application technologies in industries including new energy vehicle, elevator, crane, injection molding machine, textile, metal products, printing and packaging, and air compressor. Inovance has obtained 2111 patents and software copyrights (excluding those pending) as of December 31, 2020, including 338 patents of invention, 1207 patents of utility models, 353 patents of design, and 213 software copyrights, in which 31 patents of invention, 189 patents of utility models, 75 patents of design, and 16 software copyrights are obtained in 2020. Inovance is listed on Shenzhen Stock Exchange in September 2010 with stock code 300124.

Inovance has over 10 subsidiaries with 12,867 employees (including 2,513 R&D staff that account for 19.53% of the total employees) located in major cities such as Suzhou, Hangzhou, Nanjing, Shanghai, Ningbo, Changchun, and Hongkong as of December 31, 2020.

67 nationwide offices

300 authorized distributors

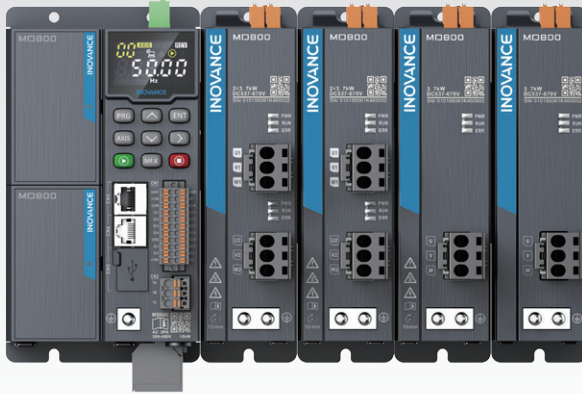
800+ sales and service staff

900 service centers

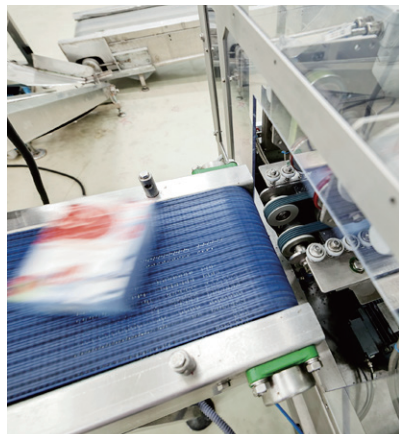
6 inventory centers

An extensive service network to offer timely response to customer requests.

MD800 Series Standard AC Drive (Multidrive System)



The MD800 series standard AC drive (multidrive system) is a new generation of standard multidrive product of Inovance aimed at multidrive applications in the low-power market of traditional OEM industries.



The MD800 is widely used in industries such as printing and packaging, woodworking machine tools, food and beverage, logistics and storage, textile printing and dyeing, and fans and pumps.



1. Input filter
2. Extension card (optional)
3. Power supply unit — control module
4. Power supply unit — power supply module

5. Drive unit — dual-axis drive unit
6. Drive unit — single-axis drive unit
7. Drive unit — three-way quick-plug baseplate
8. Drive unit — three-way quick-plug baseplate

Power supply unit

Power:

Three-phase 400 V model: 3.7/7.5/15 kW

Single-phase 200 V model: 2.2/3.7 kW

Operating panel:

Color segment-code LCD display

Local resources:

4DI/4DIO/2AI/1RO

CAN + Modbus

Auxiliary +24 V input

Type-C debug port

Extension card slot x 2

Optional resources:

Braking unit

Extension cards (I/O card and communication card)

Drive unit

Power:

Three-phase 400 V single-axis model: 0.4 kW to 7.5 kW

Three-phase 400 V dual-axis model: 0.4 kW to 3.7 kW

Three-phase 200 V single-axis model: 0.2 kW to 2.2 kW

Three-phase 200 V dual-axis model: 0.2 kW to 2.2 kW

Operating panel:

N/A

Local resources:

N/A

Optional resources:

Safe torque off (STO) function (SIL 3)

Enhanced bus, facilitating digital transformation of production lines



PROFI[®]
NET

EtherCAT[®]

CANopen

CANlink

Adapting to mainstream communication networks

Standard 1 Mbit/s CANopen communication, with support for the international standard DS402 protocol
Extension to 100 Mbit/s high-speed industrial Ethernet such as EtherCAT and PROFINET
Built-in 24 V input port, ensuring communication availability when the main power supply fails

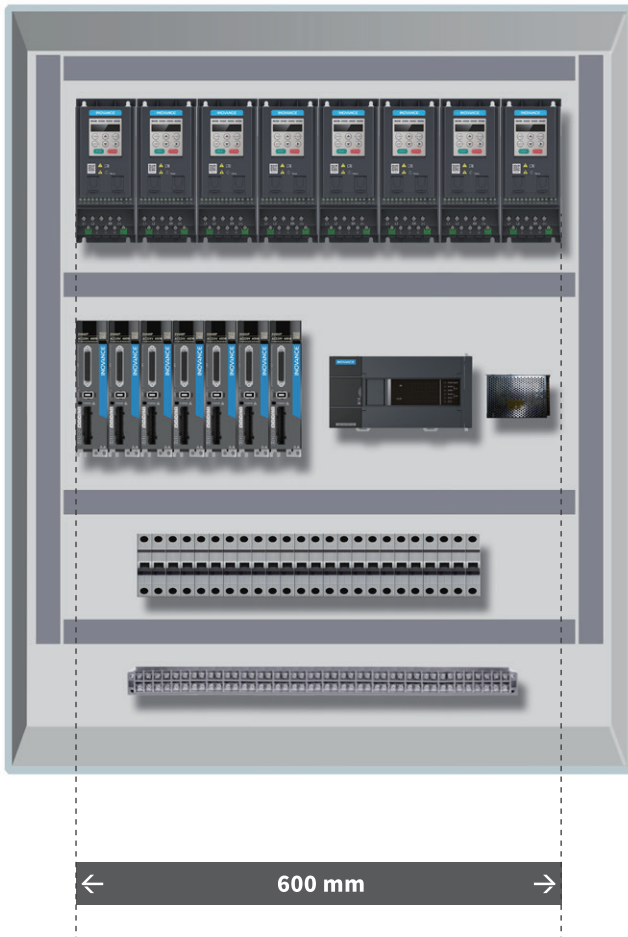
Cost-effective bus solution

Up to 8-axis high-speed bus access with one high-speed bus extension card
Fewer parts and cables required with the high-speed bus
Quick network connection with dual RJ45 ports
Higher accuracy and reliability of the control system with the high-speed bus

Edge computing

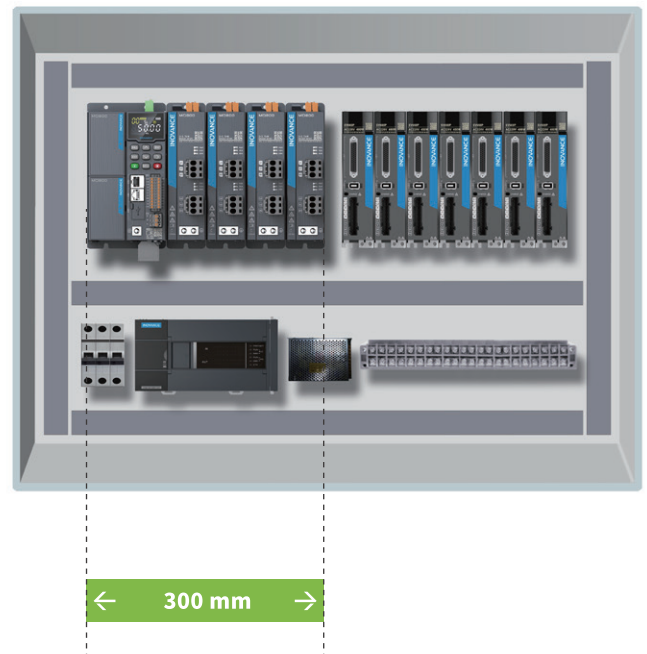
Service life management and automatic monitoring on the health status of key components
◆ IGBT ◆ Capacitor ◆ Relay ◆ Fan
Shaft-end diagnosis and automatic diagnosis of operation anomalies
◆ Mains voltage ◆ Motor ◆ Mechanical
Multi-axis power consumption statistics

Small size: saving the cabinet space by 2/3



Booksize design with equal height and width

Booksize design: 160 mm (height) x 160 mm (depth)
 Width of the drive unit: 50 mm
 Width of the power supply unit: 100 mm
 Compact side-by-side installation of units
 Seamless side-by-side installation of units
 Smaller floor area
 Higher cabinet space efficiency



More space for extension

Floor area cut by 1/2, effectively improving the cabinet space efficiency
 Fewer ducts required, saving the cabinet space
 Fewer conversion terminals required, saving the cabinet space
 Fewer low-voltage components required, saving the cabinet space

Easy installation: saving 2/3 installation time

Installation method ①



Installation method ②



Equally spaced mounting holes

- ◆ Adapt to standard production, making management less difficult

Quick splicing of modules

- ◆ Three-way modular quick-plug design (patented)
- ◆ Tool-free efficient busbar
- ◆ Flexible installation methods

Screw-free pluggable terminals

- ◆ Power and signal cables equipped with European-style pluggable terminals
- ◆ Special wiring tools used to greatly improve the wiring reliability
- ◆ Wiring time shortened

Fewer cables required

- ◆ 50% power cables saved
- ◆ Fewer communication cables, only one required for eight axes
- ◆ Fewer control cables and fewer common-terminal signal cables

Easy commissioning: saving 2/3 commissioning time

Built-in operating panel

Parameters of multiple drive units commissioned at one time



External LCD operating panel SOP20 (optional)

Joint commissioning and control on multiple MD800 systems through the standard CAN port



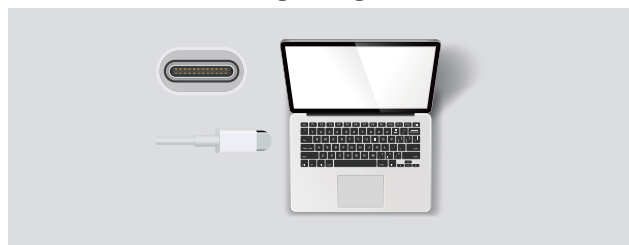
External Wi-Fi module

Remote commissioning through the mobile commissioning app, which accesses the the cloud server wirelessly for remote data exchange



Built-in USB Type-C commissioning port

Richer joint commissioning and control functions enabled with the PC-side commissioning system, including system application macros, visual monitoring on terminals, and intelligent logic editors



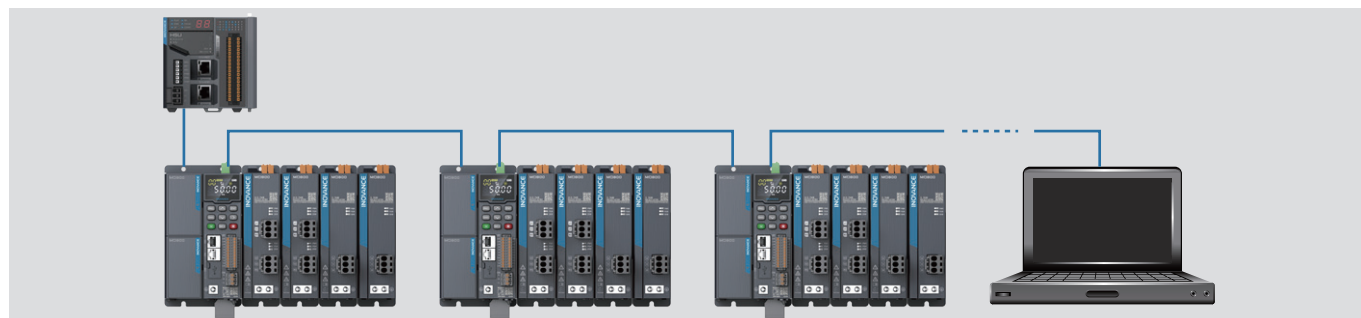
Multiple joint commissioning tools to avoid repetitive work

Single-MD800 commissioning:

- ◎ Built-in operating panel
- ◎ Type-C commissioning port

Multi-MD800 commissioning:

- ◎ External operating panel SOP20
- ◎ Extension Wi-Fi module
- ◎ Ethernet commissioning port (based on the high-speed bus extension card)



Easy maintenance: saving 2/3 maintenance time

Removal procedure



Remove the terminals.

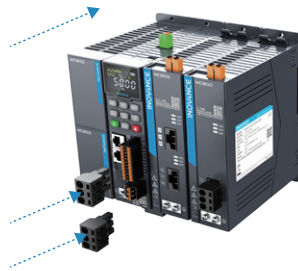


Remove the drive unit in the middle by rotating it down.

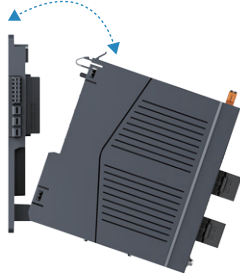
Installation procedure



Insert the drive unit in the middle by rotating it up.



Insert the terminals.



Fan installation



Screw-free replacement

Fully pluggable terminals enable fast plug and replacement from the front.

Automatic parameter restoration with the modular design

The control unit stores parameter backups. You can easily restore the original system parameter settings.

Pluggable fan design

The innovative pluggable fan design simplifies fan maintenance and improves maintenance efficiency.

Multi-purpose: a variety of use cases

Multi-functionality

- ◆ Multiple built-in algorithms, including V/f, SVC, and PMVVC
- ◆ Induction motors (IMs) and permanent magnet (PM) motors supported
- ◆ PM high-speed application and speed tracking supported



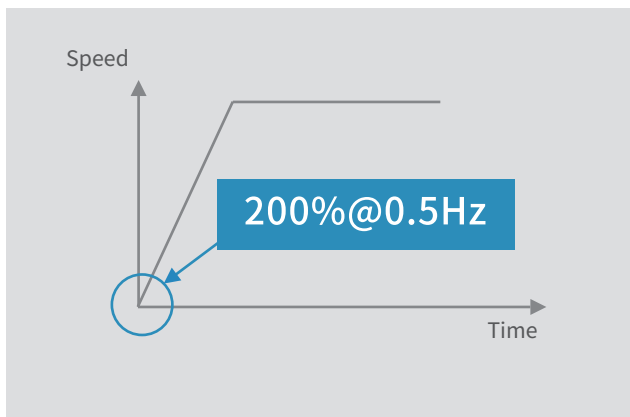
Long cables supported

- ◆ Up to 150 m output cable supported
- ◆ No additional output components required
- ◆ Complying with the IEC 60034-25 technical specifications, improving the service life of the motor



High startup torque

- ◆ High startup torque without encoders
- ◆ 200% at 0.5 Hz under open-loop vector control
- ◆ Adapting to various changing loads



Double rated design

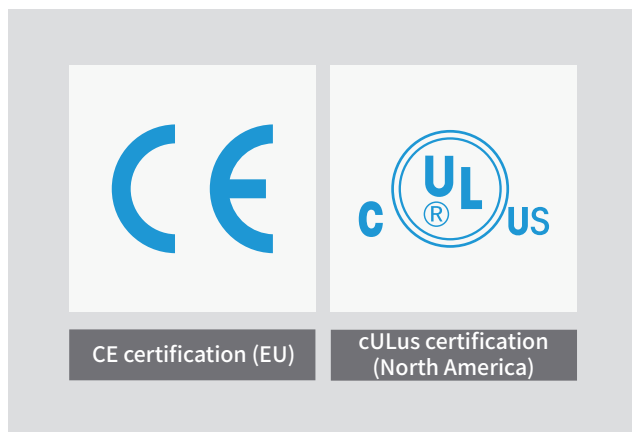
- ◆ Double rated design: 1 min for 150% of the rated current, 1 min for 110% of the rated current
- ◆ Overload capacity adjustment through parameter settings
- ◆ AC drive selection based on the load and use case



Safe, stable, and reliable

High certification standards

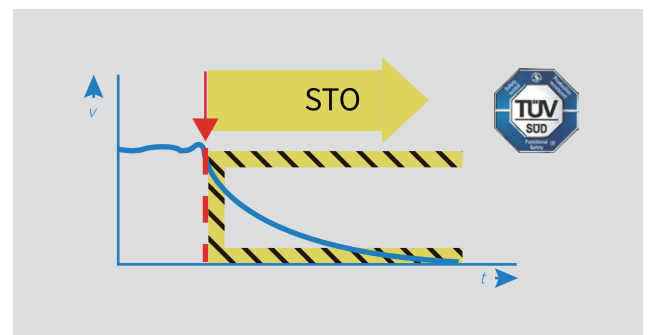
Meeting the equipment export certification requirements of high-end customers, and complying with the CE (EU) and cULus (North America) certification standards.



High safety specifications

Built-in STO function, complying with the international standards:

- ◎ EN/IEC61800-5-2
- ◎ IEC 61508 ed2: SIL 3
- ◎ EN/IEC62061: SIL CL3
- ◎ EN ISO 13849-1: PL e



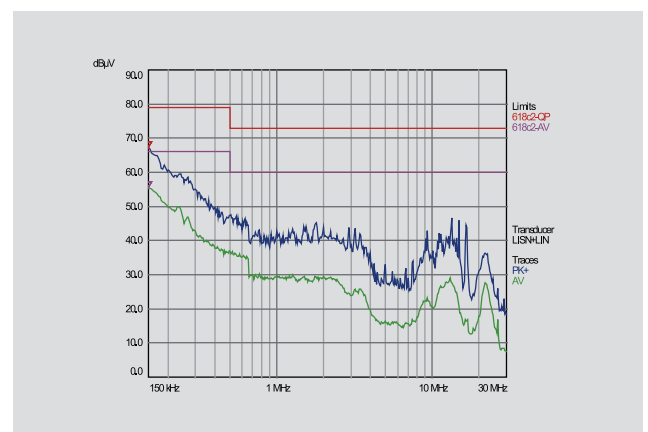
Adapting to adverse environments

- ◆ Thickened conformal coating, meeting the 3C3 and 3S2 environmental requirements
- ◆ Separate air filter
- ◆ IP40 protection



Optimized EMC performance

- ◆ Centralized booksize filter with equal height and depth, saving the installation space and meeting the IEC 61800-3 C2 (CSPR 11 A1) requirements
- ◆ Centralized governance with lower costs



MD800 Series AC Drive (Multidrive System)

Model numbers

Power supply unit

MD800 - 0 - 4T 12 B

① ② ③ ④ ⑤

Drive unit




MD800 - 2 - 4T 1R8 S

① ② ③ ④ ⑤




① Product category: AC drive	④ Rated input current Power supply unit: Rated input current (heavy load) Three-phase 400 V model 12: 12A 22: 22A 41: 41A Single-phase 200 V model 24: 24A 40: 40A
② Unit type: power supply unit	
③ Voltage class Input voltage of the power supply unit: 4T: three-phase 400 V 2S: single-phase 200 V	⑤ Braking component N/A: no special function B: built-in braking unit of the power supply unit

① Product category: AC drive	④ Rated output current: Drive unit: Rated output current (heavy load) Three-phase 400 V model 1R8: 1.8A to 17: 17A Three-phase 200 V model 1R7: 1.7A to 11: 11A
② Unit type: drive unit 1: single-axis drive unit 2: dual-axis drive unit	
③ Voltage class: Output voltage of the drive unit: 4T: three-phase 400 V 2T: three-phase 200 V	⑤ Safety component N/A: no special function S: built-in STO of the drive unit



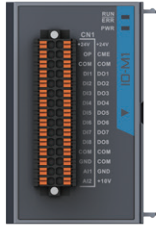


MD800 series products

	Dual-axis drive unit	Single-axis drive unit	Power supply unit
400 V model			
Rated current identifier (heavy load)	1R8 to 9R5	1R8 to 17	12/22/41
Rated power (heavy load)	0.4 kW to 3.7 kW	0.4 kW to 7.5 kW	3.7/7.5/15 kW
Dimensions (mm) (W x H x D)	49.5 x 182 x 160	49.5 x 182 x 160	99.5 x 182 x 160

Technical specifications of the power supply unit

	Dual-axis drive unit	Single-axis drive unit	Power supply unit
400 V model			
Rated current identifier (heavy load)	1R7 to 11	1R7 to 11	24/40
Rated power (heavy load)	0.2 kW to 2.2 kW	0.2 kW to 2.2 kW	2.2/3.7 kW
Dimensions (mm) (W x H x D)	49.5 x 182 x 160	49.5 x 182 x 160	99.5 x 182 x 160

Extension cards of MD800 series products

	PROFINET extension card	EtherCAT extension card	Multi-functional card	Single-contact relay card	Double-contact relay card
Extension card					
Model	SI-PN	SI-ECAT	IO-M1	IO-R1	IO-R2
Technical specifications	Supported protocol: PROFINET Communication port: RJ45 port x 2 Transmission rate: 100 Mbit/s Transmission distance: CAT5e shielding 100M	Supported protocol: EtherCAT Communication port: RJ45 port x 2 Transmission rate: 100 Mbit/s Transmission distance: CAT5e shielding 100M	Resource configuration DI: eight common digital inputs DO: eight common digital outputs AI: two analog inputs	Resource configuration RO: eight relay outputs, with normally open (NO) contacts	Resource configuration RO: four relay outputs, with double contacts

MD800 Series AC Drive (Multidrive System)

Technical specifications of the power supply unit

Item		Specifications
Basic parameters	Mains voltage	Three-phase: 380 VAC to 480 VAC Single-phase: 200 VAC to 240 VAC
	Power	Three-phase: 3.7/7.5/15 kW Single-phase: 2.2/3.7 kW
	Mains type	TN/TT/IT
	Cooling mode	Forced air cooling
	Input voltage	Three-phase: 380/480 V; actual allowed range: 323 VAC to 528 VAC (–15% to +10%) Single-phase: 200/240 V; actual allowed range: 170 VAC to 264 VAC (–15% to +10%)
	Input frequency	50/60 Hz; actual allowed range: 47 Hz to 63 Hz
	Braking unit	Built-in (optional), with an external braking resistor
Protection		Overtemperature protection, power phase loss protection, detection of three-phase input voltage unbalance, overvoltage protection, and detection of braking transistor direct connection
HMI	Communication /Bus	Modbus-RTU and Modbus-ASCII protocols supported: maximum baud rate of 115200 bit/s; up to 128 nodes; maximum distance of 1000 m CANopen protocol supported: maximum baud rate of 1 Mbit/s; up to 127 nodes; maximum distance of 1000 m CANlink protocol supported: maximum baud rate of 1 Mbit/s; up to 63 nodes; maximum distance of 1000 m PROFINET RT supported: maximum baud rate of 100 Mbit/s; full duplex mode; up to 65535 nodes; maximum distance of 100 m EtherCAT protocol supported: maximum baud rate of 100 Mbit/s; full duplex mode; up to 65535 nodes; maximum distance of 100m
	Analog input	AI1 and AI2 are programmable to support –10 V to +10 V/0 to 20 mA. Their resolution is 12-bit, correction accuracy is 0.3%, and input impedance is 22 k Ω for voltage input and 500 Ω for current input. Temperature detection for PT100, PT1000, KTY-84-130, and PTC-130 is available.
	Digital input and output	DI1 to DI4 are ordinary DIs whose response time is 10 ms. They do not support high-speed pulse input. Their input frequency is lower than 100 Hz. Photocoupler isolation is supported and they are compatible with bipolar input. The input impedance is 3.3 k Ω and the effective level input voltage range is 15 V to 30 V. DIO1 to DIO4 are general multifunction input/output terminals, which can be set by parameters. When they are used as DI terminals, their specifications are consistent with those of DI1 to DI4. When they are used as output terminals, they provide the common collector open-drain output function and cannot be directly connected to the power supply. A pull-up resistor is required for connecting them to the power supply and the impedance is determined by the load requirements. The maximum output capacity is 24 VDC/50 mA.
	Relay output	TA-TB: NC; TA-TC: NO; Contact capacity: 30 VDC/3 A, 250 VAC/3 A (COS ϕ = 0.4)
	Operating panel display	The standard configuration includes 7-digit LED digit display, multiple symbol display, and nine function keys, in which two green digits indicate the axis number and five white digits indicate the content. The symbols indicate the units and states.

Technical specifications of the drive unit

Item		Specifications
Basic parameters	Power	600 V: Drive unit (single-axis): 0.4 kW to 7.5 kW Drive unit (dual-axis): 0.4 kW to 3.7 kW 300 V: Drive unit (single-axis): 0.2 kW to 2.2 kW Drive unit (dual-axis): 0.2 kW to 2.2 kW
	Cooling mode	Forced air cooling
	Input voltage	600 V: 510 VDC to 720 VDC 300 V: 270 VDC to 360 VDC
	Output frequency	0 Hz to 599 Hz
	Load type	Motor type: Synchronous motor/Asynchronous motor
	Output frequency resolution	Digital setting: 0.01 Hz; Analog setting: max. frequency x 0.025%
	Carrier frequency	V/f: 0.8 kHz to 15 kHz (6 kHz by default) SVC: 2 kHz to 7 kHz (6 kHz by default) The carrier frequency is automatically adjusted based on heatsink temperature.
	Motor type and control mode	Three-phase asynchronous motor: V/f control, SVC PMSM: SVC
	Speed range	1:50 (asynchronous motor V/f control) 1:100 (asynchronous motor, SVC)
	Speed control accuracy	$\pm 1.0\%$ (V/f control) $\pm 0.5\%$ (SVC)
	Speed fluctuation	$\pm 0.5\%$ (SVC)
	Torque response	< 20 ms (SVC)
	Torque control accuracy	$\pm 5\%$ (SVC) (above 10 Hz)
	Torque control mode	SVC
	Overload capacity	1 hour for 115% of the rated current, 60s for 150% of the rated current, 2s for 178% of the rated current
	Torque boost	Automatic boost; customized boost 0.1% to 30.0%
	V/f curve	Linear V/f curve, multi-point V/f curve, square V/f curve, complete V/f separation, half V/f separation

MD800 Series AC Drive (Multidrive System)

Technical specifications of the drive unit

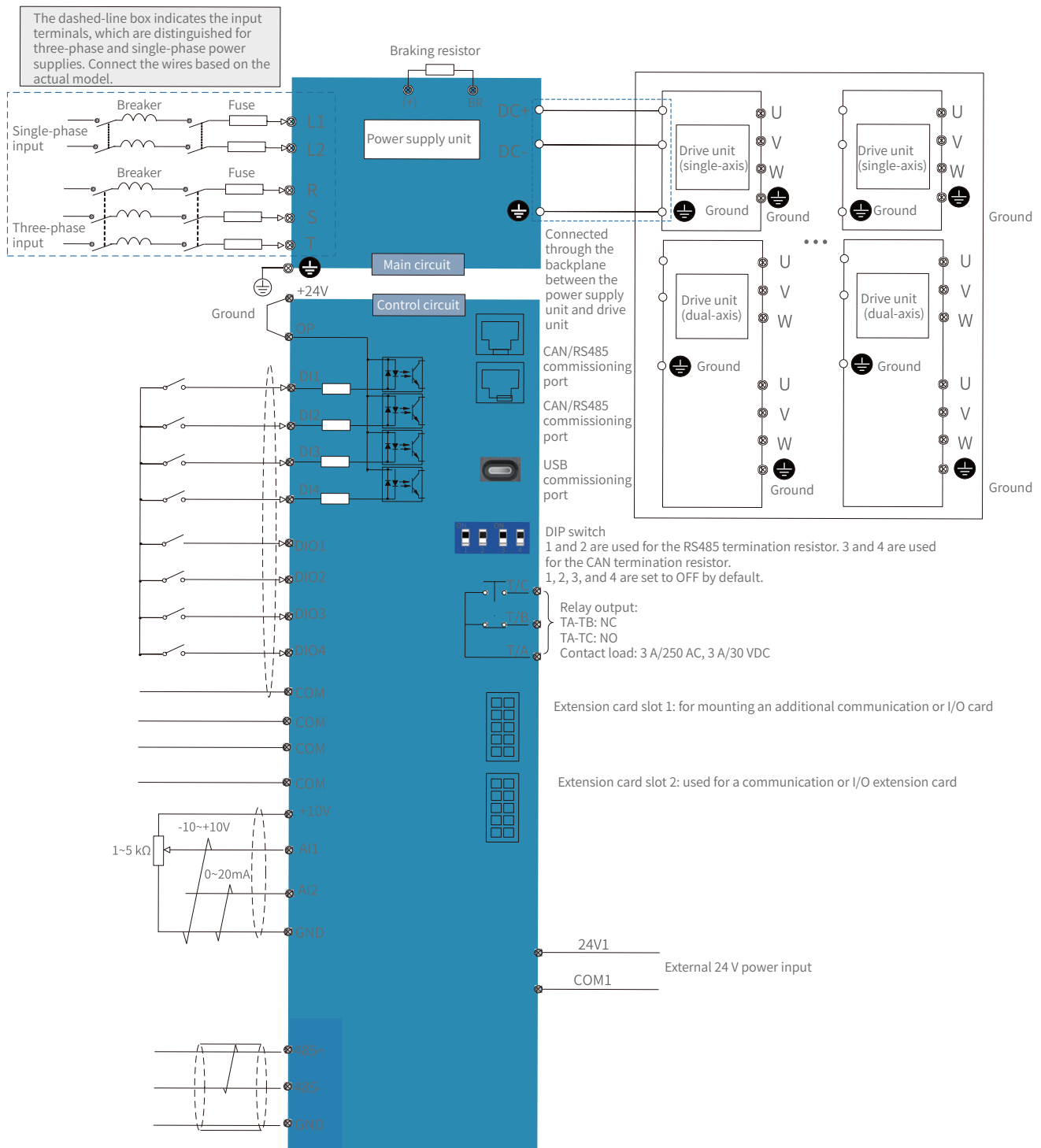
Item		Specifications
Protection		Short circuit to ground upon power-on, inter-phase short circuit, motor overtemperature (PTC), drive overcurrent, drive overload (output power limit), motor overload, drive overvoltage, drive undervoltage, drive stall in SVC mode, drive overtemperature, output phase loss, communication fault, current detection fault, motor auto-tuning fault, EEPROM reading-writing fault, locked-rotor protection, excessive speed deviation, stall alarm
Customized functions	Acceleration/Deceleration curve	Linear curve, S-curve mode 1, S-curve mode 2
	Built-in PID	The system implements the Proportional-Integral-Derivative (PID) function (two groups of parameters) in the closed-loop control.
	Running command channel	Three channels: LED operating panel or external LCD operating panel setting Control terminal setting Communication setting You can switch among these channels in various ways.
	Frequency source	Eight frequency sources are provided, including digital setting, analog voltage setting, analog current setting, pulse setting, communication setting, PID, multi-speed, and built-in simple PLC. You can switch among and superpose these sources in various ways.
	Wobble function	Various triangular wave frequency control functions are provided.
	Length and timing control	The length and running time can be specified.

General technical specifications

Item		Specifications
Environment	Operating ambient temperature	Indoor
	Installation location	-20°C to +60°C Temperature change less than 0.5°C /min. For applications with normal load: Derating of rated current by 2.5% for every additional 1°C when above 50°C ; Maximum temperature: 60°C For overload applications: Derating of rated current by 2.5% for every additional 1°C when above 40°C ; Maximum temperature: 60°C
	Storage temperature	-40°C to +70°C
	Transportation temperature	Relative humidity range: 5% to 95%
	Relative humidity in work environment	-40°C to +70°C
	Relative humidity for storage	5% to 95%
	Relative humidity for transportation	Lower than 95% at +40°C
	Altitude	The maximum altitude of the star power grid is 4000 m (13123 ft), and the maximum altitude of delta power grid is 2000 m (6562 ft). De-rated by 1% per 100 m increase when the altitude is above 1000 m.
	Vibration	When transported in transport packages: conforming to EN 60721-3-2, Class 2M3 When package removed: conforming to ISTA 1H
	Overvoltage category (OVC)	OVC III
	Pollution degree	No conductive dust is allowed. Comply with IEC 60721-3-3: Chemical gas: Class 3C3 Solid particles: Class 3S2
	IP rating	IP40 (excluding terminals and fans)

MD800 Series AC Drive (Multidrive System)

Standard wiring

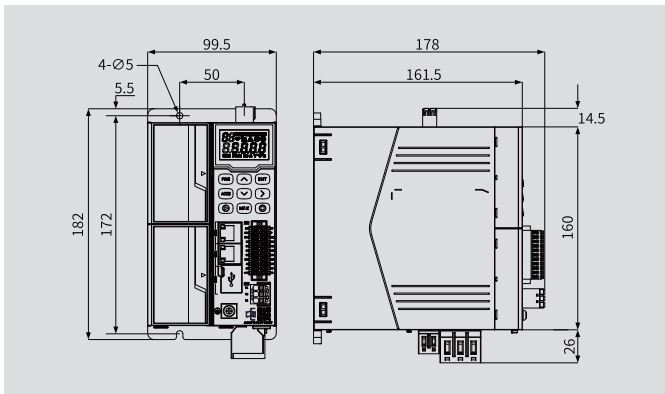


Dimensions

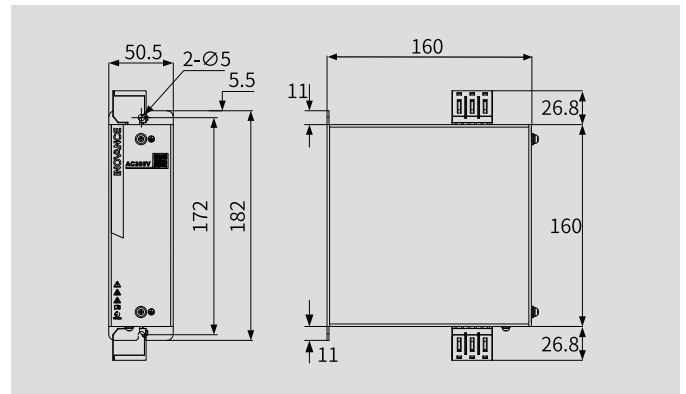
MD800 Series AC Drive (Multidrive System)



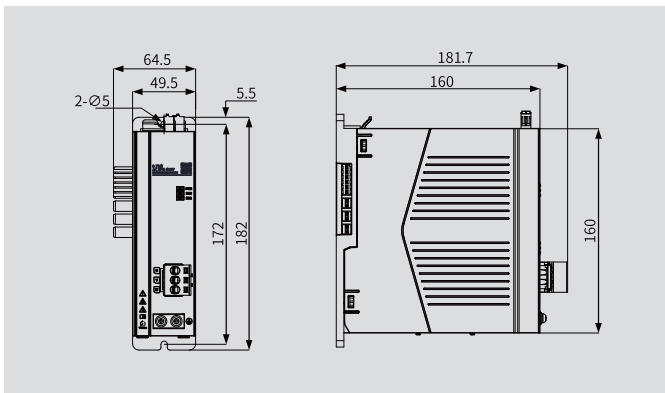
Power supply unit



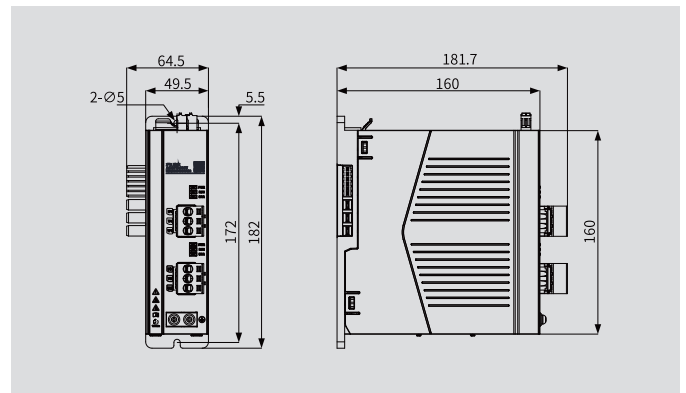
Filter unit



Single-axis drive unit



Dual-axis drive unit



Ordering information (three-phase 400 V)

Category	Power (kW)	Product model	Product code
Power supply unit	3.7	MD800-0-4T12	0101B573
		MD800-0-4T12B	0101AK34
	7.5	MD800-0-4T22	0101B572
		MD800-0-4T22B	01019507
	15	MD800-0-4T41	0101B571
		MD800-0-4T41B	0101AH51
Dual-axis drive unit	0.4	MD800-2-4T1R8	0101B469
		MD800-2-4T1R8S	0101B576
	0.75	MD800-2-4T3R4	01019509
		MD800-2-4T3R4S	0101B577
	1.5	MD800-2-4T4R8	0101AK33
		MD800-2-4T4R8S	0101B579
	2.2	MD800-2-4T5R5	01019510
		MD800-2-4T5R5S	0101B580
	3.7	MD800-2-4T9R5	01019511
		MD800-2-4T9R5S	0101B554
Single-axis drive unit	0.4	MD800-1-4T1R8	0101B470
		MD800-1-4T1R8S	0101B582
	0.75	MD800-1-4T3R4	01019513
		MD800-1-4T3R4S	0101B583
	1.5	MD800-1-4T4R8	0101B471
		MD800-1-4T4R8S	0101B586
	2.2	MD800-1-4T5R5	01019514
		MD800-1-4T5R5S	0101B587
	3.7	MD800-1-4T9R5	0101B472
		MD800-1-4T9R5S	0101B590
	5.5	MD800-1-4T13	01019512
		MD800-1-4T13S	0101B591
	7.5	MD800-1-4T17	01019506
		MD800-1-4T17S	0101B555

MD800 Series AC Drive (Multidrive System)

Ordering information (single-phase 200 V)

Category	Power (kW)	Product model	Product code
Power supply unit	2.2	MD800-0-2S24	0101BA52
		MD800-0-2S24B	0101BA53
	3.7	MD800-0-2S40	0101B602
		MD800-0-2S40B	0101B603
Dual-axis drive unit	0.2	MD800-2-2T1R7	0101BA86
		MD800-2-2T1R7S	0101BA83
	0.4	MD800-2-2T3	0101BA85
		MD800-2-2T3S	0101B585
	0.75	MD800-2-2T5	0101BA84
		MD800-2-2T5S	0101B575
	1.5	MD800-2-2T8	0101BA79
		MD800-2-2T8S	0101B578
	2.2	MD800-2-2T11	0101BA80
			0101BA87
Single-axis drive unit	0.2	MD800-1-2T1R7	0101BA93
		MD800-1-2T1R7S	0101B574
	0.4	MD800-1-2T3	0101BA92
		MD800-1-2T3S	0101BA90
	0.75	MD800-1-2T5	0101BA91
		MD800-1-2T5S	0101B584
	1.5	MD800-1-2T8	0101BA89
		MD800-1-2T8S	0101B581
	2.2	MD800-1-2T11	0101BA88
		MD800-1-2T11S	0101BA94

Optional parts

Category		Unit model	Product model	Code
Extension card	Multi-functional card	All power supply units	IO-M1	01040124
	Single-contact relay extension card	All power supply units	IO-R1	01040123
	Double-contact relay extension card	All power supply units	IO-R2	01040122
	PROFINET communication extension card	All power supply units	SI-PN	01040121
	EtherCAT communication extension card	All power supply units	SI-ECAT	01040120
Operating panel	LCD operating panel	All power supply units	SOP-20-810	01040028
	External operating panel network cable	All power supply units	C45590-GNCN-C25003	01040020
EMC shielded bracket	Shielded bracket for the power supply unit	All power supply units	MD800-PBJ100M-W1	01040175
	Shielded bracket for the drive unit	All drive units	MD800-PBJ50M-W1	01040176
Input reactor	Input reactor (Inovance)	MD800-0-2S24*	/	/
		MD800-0-2S40*	/	/
		MD800-0-4T12*	MD-ACL-15-1.9-4T-4%	/
		MD800-0-4T22*	MD-ACL-30-0.93-4T-4%	/
		MD800-0-4T41*	MD-ACL-50-0.56-4T-4%	/
	Input reactor (Schaffner)	MD800-0-2S24*	/	/
		MD800-0-2S40*	/	/
		MD800-0-4T12*	RWK 3044-18-89-E0XXX	/
		MD800-0-4T22*	RWK 3044-35-92-E0XXX	/
		MD800-0-4T41*	RWK 3044-48-92-E0XXX	/
EMC filter	Schaffner filter	MD800-0-2S24*	FN 2010N-30-08	/
		MD800-0-2S40*	FN 2010N-60-24	/
		MD800-0-4T12*	FN3288-16-44-C..-R65	/
		MD800-0-4T22*	FN3288-20-33-C..-R65	/
		MD800-0-4T41*	FN3288-40-33-C..-R65	/
	Inovance filter	MD800-0-2S24*	FIL800-2S-045	01040171
		MD800-0-2S40*		
		MD800-0-4T12*	FIL800-4T-045	01040157
		MD800-0-4T22*		
		MD800-0-4T41*		
Output reactor	Output reactor (Schaffner)	See the table below.		
	Output reactor (Inovance)	See the table below.		
Magnetic ring	Magnetic ring	All drive units	DY644020H	11013031
		All drive units	DY805020H	11013032
		All drive units	DY1207030H	11013033

MD800 Series AC Drive (Multidrive System)

Optional parts

Category	Unit model	Product model	Code
Output reactor (Schaffner)	MD800-1-2T1R7 MD800-1-2T1R7S MD800-2-2T1R7 MD800-2-2T1R7S	RWK 305-4-KL	/
	MD800-1-2T3 MD800-1-2T3S MD800-2-2T3 MD800-2-2T3S		
	MD800-1-2T5 MD800-1-2T5S MD800-2-2T5 MD800-2-2T5S	RWK 305-7.8-KL	/
	MD800-1-2T8 MD800-1-2T8S MD800-2-2T8 MD800-2-2T8S	RWK 305-10-KL	/
	MD800-1-2T11 MD800-1-2T11S MD800-2-2T11 MD800-2-2T11S	RWK 305-14-KL	/
	MD800-1-4T1R8 MD800-1-4T1R8S MD800-2-4T1R8 MD800-2-4T1R8S	RWK 305-4-KL	/
	MD800-1-4T3R4 MD800-1-4T3R4S MD800-2-4T3R4 MD800-2-4T3R4S		/
	MD800-1-4T4R8 MD800-1-4T4R8S MD800-2-4T4R8 MD800-2-4T4R8S	RWK 305-7.8-KL	/
	MD800-1-4T5R5 MD800-1-4T5R5S MD800-2-4T5R5 MD800-2-4T5R5S		/
	MD800-1-4T9R5 MD800-1-4T9R5S MD800-2-4T9R5 MD800-2-4T9R5S	RWK 305-14-KL	/
	MD800-1-4T13 MD800-1-4T13S	RWK 305-17-KL	/
	MD800-1-4T17 MD800-1-4T17S	RWK 305-32-KL	/

Category	Unit model	Product model	Code
Output reactor (Inovance)	MD800-1-2T1R7 MD800-1-2T1R7S MD800-2-2T1R7 MD800-2-2T1R7S	MD-OCL-5-1.4-4T-1%	11024092
	MD800-1-2T3 MD800-1-2T3S MD800-2-2T3 MD800-2-2T3S		
	MD800-1-2T5 MD800-1-2T5S MD800-2-2T5 MD800-2-2T5S		
	MD800-1-2T8 MD800-1-2T8S MD800-2-2T8 MD800-2-2T8S	MD-OCL-10-0.7-4T-1%	11024105
	MD800-1-2T11 MD800-1-2T11S MD800-2-2T11 MD800-2-2T11S	MD-OCL-15-0.47-4T-1%	11024106
	MD800-1-4T1R8 MD800-1-4T1R8S MD800-2-4T1R8 MD800-2-4T1R8S	MD-OCL-5-1.4-4T-1%	11024092
	MD800-1-4T3R4 MD800-1-4T3R4S MD800-2-4T3R4 MD800-2-4T3R4S		
	MD800-1-4T4R8 MD800-1-4T4R8S MD800-2-4T4R8 MD800-2-4T4R8S		
	MD800-1-4T5R5 MD800-1-4T5R5S MD800-2-4T5R5 MD800-2-4T5R5S	MD-OCL-7-1.0-4T-1%	11024104
	MD800-1-4T9R5 MD800-1-4T9R5S MD800-2-4T9R5 MD800-2-4T9R5S	MD-OCL-10-0.7-4T-1%	11024105
	MD800-1-4T13 MD800-1-4T13S	MD-OCL-15-0.47-4T-1%	11024106
	MD800-1-4T17 MD800-1-4T17S	MD-OCL-20-0.35-4T-1%	11024107