# MEGMEET

MV820 Series High Performance Vector Control Variable Speed Drive BOM Code: R33011127 Version: V02

This manual briefly introduces the model, operation panel, terminal wiring, main circuit and control circuit terminals, fast operation, common functional parameters, common faults and countermeasures, etc. For more functions and detailed descriptions of MV820 series drives, please see the full electronic manual

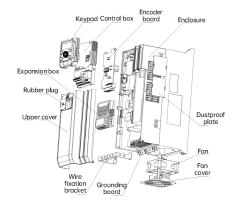
# **Product Model**

MV820	G	1	-	4	т	90	В	т	S -	(XXX)
1	2	3		4	5	6	1	8	9	10

① Product series MV820: MV820 series	<ul> <li>② Application</li> <li>G: General purpose</li> <li>S: Servo positioning</li> <li>T: Tension control</li> <li>F: Fly-cut</li> </ul>	③ Product iteration Number: Customization
<ul> <li>④ Input voltage class</li> <li>2: 220 V</li> <li>4: 380 V / 480 V</li> </ul>	⑤ Input voltage phase S: Single-phase T: Three-phase	® Rated capacity 0.4 kW to 220 KW
⑦ Braking unit B: Built-in braking unit	<ul> <li>8 Reactor</li> <li>Null: Single-phase</li> <li>T: DC reactor</li> </ul>	③ Safety function Null: No function S: STO
IN Non-standard xxx: Customer number		

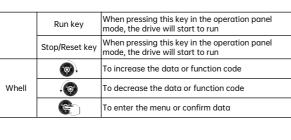
©For 22 kW or below, inductor is not included; for 30 kW to 110 kW, inductor is optional; for 132 kW or above, inductor is included as standard. ②For MV820 models of 110 kW or below, built-in braking unit is included as standard

#### **Product components**

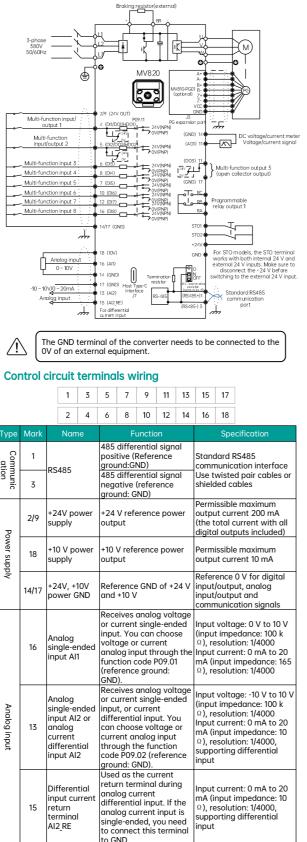


### **Operation Panel**

			89.5mm					
Mu	Retu Iti-functio Run	key	Shift key Whal Stop/ Reset key Operation panel mounting base Dimensions of panel base holes					
Syr	nbol	Name	Meaning					
c	Hz	Frequency LED	lashing: The current parameter is the running requency in: The current parameter is the frequency eference					
Unit LED	A	Current LED	On: The current parameter is the current					
Ð	V	Voltage LED	On: The current parameter is the voltage					
	RPM	RPM LED	On: The current parameter is the revolutions per ninute					
	%	Percent LED	On: The current parameter is the percent					
	C	Forward running LED	On: During stop, there is a forward running command for the drive During running, the drive is running forward Flashing: The drive is switching from FWD to REV					
Status LED	Ð	Reverse running LED	On:During stop, there is a reverse running command for the drive During running, the drive is running reversely Flashing: The drive is switching from REV to FWD					
Ü	ERR	Alarm LED	On: The drive enters the alarm status					
	RUN	Running LED	On: Running; Flashing: Stopping; Off: Stopped					
	REM	Operation command channel LED	Off: Local; Flashing: Communication On: Terminal					
		Return/Multi- functional key	To exit the programming state/See Table 5-3 of the full manual	L				
K	ey	Shift key	To select the bit for change in the data in editing state, or switch the display of status parameters in other state					



## Wiring for Basic Operation



Analoa output	11	Analog output AO1	Provides analog voltage/current output, with 28 kinds available. You can choose voltage or current analog output through the function code P09.02 (reference ground: GND).	Output voltage: 0 to 10 V, ±5% Output current: 0 to 20 mA For multiple input circuit		
	4	Multi- function DI1		for multiple input circuit function selection, refer to the multi-function input/output terminal wiring below:		
	5	Multi- function DI2		+3.3V +3.3V +3.3V Example: P09.00 Terminal 5 Terminal 4 Ox00 DI2 DI1 Ox21 HDO2 DD1 		
Multi-fu	6	B     Multi-     function DI3     and thermosensitive     signal input through the     signal input through the     function codes P09.00     and P09.01.     For more explanations,     refer to 7.10 (terminal     input percentations)				
9     8     function I       10     Multi-function I       10     Multi-function I       10     Multi-function I       12     Multi-function I       12     Multi-function I       14     Multi-function I		and P09.01. For more explanations,	defined for other signal functions through function codes.			
	function DI5 or for	reter to 7.10 (terminal input parameters): P09.03–P09.10 for input functions and P09.14 for two/three-wire control functions (reference point: GND).	The terminal can be used as digital input DI5 through the function code P09.01, and be defined as the thermosensitive element input with PT1000 supported.			
	function DI6		The terminal can be used as digital input DI6 or digital pulse HDI input through the function code P09.01 with pulse 0 to 50 kHz. The terminal can only be used as digital input DI7, and cannot be defined for other signal functions through function codes. The terminal can be used as digital input DI8 or analog input Al1 through the function code P09.01.			
	Multi- function DI7					
	Multi- function Al1					
~	4	Open-collect or output terminal Y1/ DO1 output terminal/ HDO1 pulse output terminal	In addition to being used inp as ordinary multi-function terminals (same as 4, 5, 6, 8, 7, 10, 12, 16), 4 and 5 can also	For multiple output circuit function selection, refer to the multi-function input/output terminal wiring below:		
Multi-functional output terminal	5	Open-collect or output terminal Y2/ DO2 output terminal/ HDO2 pulse output terminal	DO/HDO output terminals. Refer to P09.00-P09.02 of 7.10 (terminal input parameters) for specific terminal selection (reference point: GND).	Example:         P09:00         Terminal 5         Terminal 4           0x21         HD02         D01         D01         D02         HD01         D01         D01 </td		
linal	11	DO3 or AO1 output terminal	The terminal can be programmed as multi-function DO or AO. Refer to P09.02 of 7.10 (terminal input parameters) for specific terminal selection (reference point: GND).	The terminal can be used as digital output DO3 through the function code PO9.02. Maximum output current: 50 mA The terminal can also be used as analog output A01 through the function code PO9.02. Refer to the A01 description in the table.		
Relav	RA		The terminal can be	RA-RB: normally closed, RA-RC: normally open Contact capacity:		
Relay output terminal RO1	RB	Relay output	programmed as multi-function RO. Refer to P10.03 of 7.11 (terminal output	250 V AC / 2A ( $COS \Phi$ =1) 250 V AC / 2A ( $COS \Phi$ =0.4) 30 V DC / 1A ( $COS \Phi$ =0.4) 30 V DC / 1A Refer to P10 for usage instructions. The overvoltage level of the input voltage of the relay output terminal is overvoltage level II.		
minal RO1	RC	-	parameters) for specific function selection.			

variety of IO functions through function code. Such as DI, DO, HDI, HDO, AI, AO and thermocouple input. ② The multi-function terminal DI/DO wiring diagram does not mark the internal circuit diagram of the drive, and is only represented by the symbol"

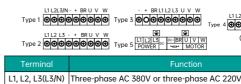
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## PC Card Terminal

ype	Mark	Name	Function description	\$				
	A+,A-	Encoder phase A signal	Encoder signal and power signal input ends,					
_	B+,B-	Encoder phase B signal	supporting OC, push-pull and differential output-type	Mo fre 25				
Encoder	Z+,Z-	Encoder phase Z signal	PG. See 4.2.2.7 for wiring details.					
4	VCC,GND	Encoder power supply	Provides power supply for the external encoder (reference ground: GND) 5 V or 12 V selected by the function code P04.04	Οι +5 Μα ου 20				

#### Main Circuit Terminals

- Type 1: Enclosure B (Applicable models: 2S0.4~2.2) Enclosure B (Applicable models: 4T0.75~3.7) Type 2: Enclosure C (Applicable models: 2T3.7; 4T5.5/7.5)
- Enclosure D (Applicable models: 2T5.5/7.5; 4T11/15) Type 3: Enclosure E (Applicable models: 4T18.5/22)
- Type 4: Enclosure F (Applicable models: 4T30/3745B(C)) Type 5: Enclosure G (Applicable models: 4T45/55/75)



L1, L2, L3(L3/N)	Three-phase AC 380V or three-phase AC 220V in
L1, L3/N	2S model: single-phase AC 220V input terminal
+, BR	Connect the external braking resistor terminals
+, -/DC+,DC-	DC bus terminals
U, V, W	Three-phase AC output terminals
Ē	PE connection terminal, wiring frame fixing screv

### **Quick Operation Instruction**

$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$
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### Check before power-on

Synchro

After the wiring and power inspection are confirmed, close the of the AC power supply on the input side of the drive and power "-----" will be displayed on the drive operation panel at first, and the will normally sucked . When the display character of the digital tube to the set frequency (such as 50.00), it indicates that the drive I initialized

		Start				
		¥				
Power on the	e device	after cont	firming th	e connecti	on	
		+				
Motor	selection	n: P02.01=	0: Select i	motor 1		
		¥.				
		or type sel				
P03.0	0=0: Mo	tor 1 asyn	chronous	motor		
P03.0	)0=1: Mo	tor 1 sync	hronous r	notor		
	•					
Asyr	nchronou	us motor: I	P03.01~P0			
Syn	chronou	is motor: F	'03.15~P0	3.19		
Pre	ss M ke	y to jog co	mmissior	ing		
(P00.04=0	100, the	default jo	g frequer	ncy is 5Hz)		
		+				
Determine w motor is corre- two-phase o	ct, other	wise it is r	necessary	to switch	any	
		¥				
Set	motor p	arameter	identifica	tion		
		¥				
		7				
Set P03.27=1: static para identification	meter		Set P03	.27=2: roto identific		
Press the F	N kev	to start th	e identifi	cation and	-	
automatically						
		¥				
Set runnin	ig comm	and chan	nel (P02.0	)2, P02.03)		
	-	¥		-		
Set	main fre	quency so	ource (PO)	2.05)		
		· · ·				
Se	t motor	control ma	ode (P02.	00)		
		+				
Asynchronous motor:					*	
P02.00=1,SVC2 ynchronous motor: P02.00=0	N SVC1	P02.00 cont		PC	)2.0	
viiciii olious iiiotoi. i o 2.00−0	, 5761			Set P	04.	
Set P05 motor 1 vector con parameters	trol			related o		
•		Set P07	motor 1			
Whether the torque control is required (P06.00)		VF co param	ntrol	Whe control i		
	Set P08	start and s	stop mod	p		
L`		L	stop mou	~		
Set the actua				decelerat	ion	
	time	(P02.13, P	(02.14)			
0		*		-11		
Shut down after external commissioning						

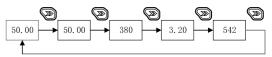
End

/aximum input equency≤ 50kHz

utput voltage 5V/12V laximum output current: 00mA/150mA

#### Monitoring Mode

Through the function codes P16.00, P16.01 and P16.02, you can choose the drive parameters to be displayed on the operating panel during running, such as set frequency, output frequency, bus voltage DI, DO, AI and so on (for details, refer to Group P16). Then, you can view the chosen parameters through the "🔊" key on the operating panel.Shows the parameter display switchover during running with P16.00=0xFF, P16.01=0xF and P16.02=4.



Example of switching drive standby state monitoring parameters when P16.03=0x03, P16.04=0 is set.



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3		-0	٧	W	
Ð		⊙	€	Ð	
•		€	)		

	0: C x: Co	Operation Inst an be changed duri an be changed durin ad only	ng running;		
	Function code	Name	Description	Default value	Chan ge
V input terminals al als crew	P00.00	Menu mode selection	0: Quick menu mode Only quick commissioning related parameters are displayed. 1: Full menu mode All function parameters are displayed. 2: Changed memory menu mode Only parameters that are different from factory settings are displayed.	1	0
d connected, match. se the air switch power the drive. nd the contactor rai tube changes drive has been	P00.04	Selection of key functions	Ones place: Reserved Tens place: Function selection of the STOP key 0: The STOP key is valid only in the panel control channel. 1: The STOP key is valid in all control channels. Hundreds place: Function selection of multi-function M key 0: No function 1: FWD JOG 2: REV JOG 3: FWD and REV switchover 4: Command channel switchover (cyclic) Thousands place: Reserved	0	0
_ ] ] ]	P00.05	Parameter initialization	0: Parameters rewritable 1: Clear fault records 2: Restore to factory settings 3: Restore some parameters to factory settings (motor parameters not restored)	0	×
	P02.00	Control mode selection	0: SVC1 1: SVC2 (only for asynchronous motors) 2: V/F control (only for asynchronous motors) 3: FVC	2	×
	P02.01	Motor selection	0: Motor 1 1: Motor 2	0	×
у. Э	P02.02	Operation command channel selection	0: Keypad control 1: Terminal control 2: Communication control	0	×
	P02.03	Communication command channel selection	0: Modbus channel / Modbus TCP channel 1 and 2: Reserved 3: EtherCAT / PROFINET / CANopen / EtherNet channel	0	×
ion	P02.04	Running direction	0: Same direction 1: Opposite direction	0	0
	P02.05	Main frequency source selection	Copyosite direction     C	0	×

0=3, FVC P05 motor 1

rol parameters ¥

the torque quired (P06.00)

P02.03	Communication command channel selection	3: EtherCAT / PROFINET / CANopen / EtherNet channel	0	×
P02.04	Running direction	0: Same direction 1: Opposite direction	0	0
P02.05	Main frequency source selection	0: Digital setting P02.09 1: Al1 2: Al2 3: High-speed pulse HDI reference 4: Simple PLC programming reference 5: Multi-speed running reference 6: PID control 7: Modbus / Modbus TCP 8: PROFINET / EtherCAT 9: EtherCAT / PROFINET / CANopen / EtherNet channel	0	×
P02.09	Frequency digital setting	0.00 Hz to P02.11	50.00 Hz	0
P02.10	Maximum output frequency	P02.11 to 599.00 Hz Note: The maximum frequency is at least 50.00 Hz	50.00 Hz	×
P02.11	Upper limit frequency	P02.12 to P02.10	50.00 Hz	×
P02.12	Lower limit frequency	0.00 Hz to P02.11	0.00 Hz	×
P02.13	Acceleration time	0.0 to 6000.0 s Note: after being restored to default values, the system will do auto matching based on the actual model (applicable for acceleration/deceleration time 1, 2, 3 and 4)	Model depend ent	0

# MEGMEET

Function code	Name	Description	Default value	Chan ge	Function code	No
		5.5 kW and below: 10 s 5.5 to 30 kW (included): 20 s Above 30 kW: 40 s			P08.06	Stop
P02.14	Deceleration time 1	0.0 to 6000.0 s	Model depend ent	0		
P02.16	Carrier frequency	2.0 to 12.0 kHz	Model depend ent	0		Functior
P03.00	Motor type selection	0: Asynchronous motor 1: Synchronous motor	0	×	P09.00	of term 6
P03.01	Asynchronous motor rated power	0.1 to 3000.0 kW	Model depend ent	×		
P03.02	Asynchronous motor rated voltage	0 to 1200 V	Model depend ent	×		
P03.03	Asynchronous motor rated current	0.8 to 6000.0 A	Model depend ent	×		
P03.04	Asynchronous motor rated frequency	0.01 Hz to P02.10	50.00 Hz	×	P09.01	Functior of termi
P03.05	Asynchronous motor rated speed	1 to 36000 rpm	Model depend ent	×	107.01	12
P03.15	Synchronous motor rated power	0.1 to 3000.0 kW	Model depend ent	×		
P03.16	Synchronous motor rated voltage	0 to 1200 V	Model depend ent	×		
P03.17	Synchronous motor rated current	0.8 to 6553.5 A	Model depend ent	×		Functior
P03.18	Synchronous motor rated frequency	0.01 Hz to P02.10	Model depend ent	×	P09.02	of term
P03.19	Number of synchronous motor pole pairs	1 to 128	2	×		DI1 fu
		0: No operation 1: Part parameter auto-tuning in			P09.03	Sele DI2 fu
P03.27	Motor auto-tuning	the static status 2: Full parameter auto-tuning in	0	×	P09.04	Sele DI3 fu
		the rotating status 3: Full parameter auto-tuning in			P09.05	sele DI4 fu
P04.00	Encoder PPR	the static status 1 to 65535	1024	×	P09.06	sele DI5 fu
		0: No encoder 1: ABZ encoder			P09.07	Sele DI6 fu
P04.01	Encoder type	2: Resolver 3: ABZ +STO 4: STO card	0	*	P09.08 P09.09	DIO IS Sele
	A/B phase	5: Resolver+STO 0: Forward				
P04.02	sequence of ABZ incremental encoder	1: Reverse Note: Rotation auto-tuning automatically detects the phase sequence	0	×		
P04.03	Reserved PG card voltage	0: 5 V				
P04.04	class selection Speed loop	1: 12 V	0	×		
P05.00	proportional gain 1	1 to 100	10	0		
P05.01	Speed loop integral time 1	0.01 to 10.00 s	0.50 s	0		
P05.03	Speed loop proportional gain 2	1 to 100	10	0		
P05.04	Speed loop integral time 2	0.01 to 10.00 s	1.00 s	0		
P06.00	Torque control enable	0: Disabled 1: Enabled 0: Straight-line V/F	0	0		
P07.00	V/F curve	1: Multi-point V/F 2: Square V/F 3: Reserved 4: V/F complete separation	0	×		
P07.01	Torque boost	5: V/F half separation 0.0 to 50.0	Model depend ent	0	P09.10	DI8 fu sele
P07.02	Cut-off frequency of torque boost	0.00 Hz to P02.11	50.00 Hz	×		
P07.09	Torque compensation coefficient	0 to 300	150	0		
P07.10	V/F overexcitation gain	0 to 200	80	×		
P07.11	Oscillation suppression gain	0 to 100	40	0		
P07.12	Oscillation	0 to 2	0	×		
P08.00	Startup mode	0: Startup from the startup frequency 1: Startup after speed tracking 2: Startup after DC braking	0	×		
P08.01	Startup delay time	0.0 to 600.0 s The device responds to the operation commands after the delay time. During the delay, the device is in standby.	0.0	×		
P08.02	Startup frequency	0.00 to 50.00 Hz	0.00	×		
P08.03	Startup frequency hold time	0.0 to 50.0 s	0.0	×		

Name	Default value	Cha ge	
Stop mode	0: Decelerate to stop 1: Coast to stop 2: Emergency stop	0	0
Function selection of terminals 4, 5, 6, 8	2: Enlergency stop Ones: 0: Terminal 4 as D11 1: Terminal 4 as D01 2: Terminal 4 as HD01 Tens: 0: Terminal 5 as HD02 1: Terminal 5 as HD02 Hundreds: Reserved Thousands: Reserved Note: Terminal 6 can only be set as D13. Terminal 8 can only be set as D14.	0x10	0
Function selection of terminals 7, 10, 12, 16	Ones: 0: Terminal 7 as DI5 1: Terminal 7 as thermosensitive signal input Tens: 0: Terminal 10 as DI6 1: Terminal 10 as HDI Hundreds: Reserved Thousands: 0: Terminal 16 as DI8 1: Terminal 16 as Al1 voltage input 2: Terminal 16 as Al1 current input Note: Terminal 12 can only be set as DI7	0x10	0
Function selection of terminals 13, 11	Ones: 0: Terminal 13 as Al2 voltage input 1: Terminal 13 as Al2 current input Tens: 0: Terminal 11 as DO3 or RO2 1: Terminal 11 as AO1 voltage output 2: Terminal 11 as AO1 current output Hundreds: Reserved Thousands: Reserved	0x10	0
DI1 function selection	0: No function 1: Forward RUN	1	0
DI2 function selection	2: Reverse RUN 3: Forward jog	0	0
DI3 function selection	4: Reverse jog 5: Three-wire control	22	0
DI4 function selection	6: Multi-reference terminal 1 7: Multi-reference terminal 2	0	0
DI5 function selection	8: Multi-reference terminal 3 9: Multi-reference terminal 4	0	0
DI6 function	10: Acceleration/Deceleration time terminal 1	0	0
selection DI7 function	11: Acceleration/Deceleration time terminal 2	0	0
DI8 function selection	12: Frequency up/down setting clear (Terminal) 13: Frequency up/down setting clear (Terminal+Keypad) 14: Frequency increase command (UP) 15: Frequency decrease command (DN) 16: External fault NO input 17: External fault NO input 17: External fault NC input 18 to 19: Reserved 20: Frequency reference source switchover from A to B 21: Frequency reference source switchover from Combination to A 22: External reset (RESET) input 23: Coast to stop input (FRS) 24: Acceleration/Deceleration inhibition 25: DC braking input at stop 26: Simple PLC pause command 27: Frequency reference source switchover from combination to B 28: PLC Stop memory clear 29: PID pause 30: PID clear 31: PID integral hold 32: Into the 0Hz operation 33: PID regulating feature switchover 34: Main reference frequency source selection 1 35: Main reference frequency source selection 2 36: Main reference frequency source selection 3 37: Main reference frequency source selection 4 38: Command channel switched to terminal 40: Command channel switched to terminal 40: Command channel switched to terminal 41: Direct DC braking operation 42: REV inhibition 43: Reserved 44: External stop command (it is valid for all control modes, and the device will be stopped according to the current stop mode) 45: Ausiliary reference frequency clear 46: Pulse input clear 47: Speed control and torque	0	0

Function code	Name	Description	Default value	Chan ge		nctior ode	Name	Descriptio	1	)ef va
		control switchover terminal 48: Torque direction switchover terminal in torque control 49: Position selection 1 50: Position selection 2 51: Position selection 3 52: Digital position cyclic			P	15.01	Baud rate	0: 4800 BPS 1: 9600 BPS 2: 19200 BPS 4: 57600 BPS 5: 115200 BPS 6: 125000 BPS		1
		positioning mode enable 53: Spindle homing			P1	5.02	Local addre	0 to 247 0 is the brog	dcast	1
		54: Speed/Position mode switchover				97.32 97.33		type	_	(
		55: Motor 1 and 2 switchover terminal 56: Safety terminal input				97.34	Second late fault type	est 1~64: Other faults		(
		(reserved) 57: PG card meter cleaning 58 to 59: Reserved 60: Emergency stop 61: Wobble pause 62: Wobble reset 63: Counter reset 64: Counter trigger				<u>î</u>	frequency a ② The settir mutually exc	a channels of main frequency re mutually exclusive. ngs for multi-function digital clusive (except for function 0	input terminals	ar
		65: Power consumption clear 66: Power consumption hold				roul ault	leshooting			
		67: Length counter input 68: Length reset 69: Switched to V/F control 70: Switched to FVC control 71: Reserved				ode	Fault type Acceleration	Possible fault cause     The acceleration/ deceleration time is too short.	①Lengthen the	
P09.11	Terminal conduction mode selection	72: Reserved 0 : High conduction outside the terminal 1 : Low conduction outside the	1	×			over-current Deceleration	<ul> <li>The motor parameters are incorrect.</li> <li>When instantaneous stop happens, restart the</li> </ul>	/deceleration ti 2 Perform the p auto-tuning of 3 Check the PG	pa th
	Selection	terminal Ones: 0: DI1 positive logic active			OC:	2 2	over-current Constant	rotating motor ④The drive power is too low.	wiring ④Adopt the dri power class	
		1: DI1 negative logic active Tens: 0: DI2 positive logic active			oc	3 3	speed over-current	Sudden load change or abnormal load	5Check the loo	bc
P09.12 DI1 to DI4 active mode	1: DI2 negative logic active Hundreds: 0: DI3 positive logic active	0	0	ου	1 4	Acceleration over-voltage	①Abnormal input voltage ②The deceleration time is	①Check the inpu supply		
		1: DI3 negative logic active Thousands: 0: DI4 positive logic active			0U 2	5			©Lengthen the deceleration time 3Select appropri	
	1: DI4 negative logic active Ones: 0: DI5 positive logic active			0U 3	6	Constant speed over-voltage	torque is large	dynamic brakir components	١g	
		1: DI5 negative logic active Tens: 0: DI6 positive logic active			Uv	7	Undervoltag e fault	Drive bus voltage is too low	Check the inpu supply voltage	
P09.13 DI5 to DI8 active mode		1: DI6 negative logic active Hundreds: 0: DI7 positive logic active	0	0	SP	8	Input side phase loss	There is phase loss in input R.S.T	Check the inpu	ıt v
	1: DI7 negative logic active Thousands: 0: DI8 positive logic active			SPO	9	Output side phase	There is phase loss in output U.V.W	Check the outp	out	
P10.00	DO1 function selection	1: DI8 negative logic active 0: Disabled 1: AC drive in running	0	0				1) There is interphase short circuit or grounding short circuit in output three		
P10.01	DO2 function selection	2: Forward running 3: Reverse running	1	0			Power	phases ②The wirings or the plug-in	①Rewiring and motor insulatio	
P10.02	DO3 function selection/ Relay RO2 output selection	4: Frequency reach signal (FAR) 5: Frequency-level detection signal (FDT1) 6: Frequency-level detection signal (FDT2)	0	0	drv	/ 10	module protection	units of the control board loosens. ③Abnormal current waveform caused by output phase loss and so	<ul> <li>Check the wi rewiring</li> <li>Seek for serv</li> </ul>	irir
		7: Overload detection signal (OL) 8: Lockout for undervoltage (LU) 9: External fault stop (EXT) 10: Frequency upper limit (FHL)						<ul> <li>④Hardware failure</li> <li>①The ambient</li> </ul>		
P10.03 Relay R01 output selection	11: Frequency lower limit (FLL) 12: Zero-speed running 13: Simple PLC stage completion 14: Simple PLC cycle completion 15: Current running duration reach 16: Accumulated running duration reach	18	0	ОН /ОР 2		Inverter module/rectif ier heatsink over-temper ature	temperature is too high ©The duct is blocked or the The fan is damaged ®The inverter module is abnormal	①Lower the an temperature ②Clean the du Replace the far ③Seek for serv	ict nc	
	17: AC drive ready to run (RDY) 18: AC drive fault 19: Host device on/ff signal 20: Motor overheat 21: Torque limited Valid when torque command is limited by the torque limit value 1 or 2. 22: Motor overload warning 23 to 25: Reserved			OL	1 13	Drive overload	①The motor parameters or V/F curve is improper ②The load is too large ③When instantaneous stop happens, restart the rotating motor ④The acceleration time is too short or The grid voltage is too low	①Perform the p auto-tuning of ②Adopt the dri higher power ③Set the start P08.00 as the s tracking restart ④Lengthen the acceleration tir ⑤Check the gri	th ive m spe t f e me	
	26: Reference count value reach 27: Designated count value reach 28: Length reach 29: Positioning completed 30: Zero positioning completed 31: Index positioning completed 32: to 37: Reserved 38: Motor 1 and 2 indication terminal 39: Bus card switch signal			OL	2 14	Motor overload	①The motor overload protection factor setting is incorrect ②V/F curve is improper ③The motor is blocked or the sudden change of load is too large ④The grid voltage is too low	①Set the overly protection fact correctly ②Set V/F curve increase correc ③Check the loc voltage	tor e a ctly	
		40 to 45: Reserved 46: PID feedback loss 47: Reserved Ones: 0: Modbus protocol 1: Profinet 转485协议			EF	15	Emergency stop or external device fault	©Stop suddenly by pressing the "STOP" key ©External fault emergency-stop terminal is enabled	①See the funct definition of the key in P00.14 ②After the external revoked, release external fault t	ie ' eri se
P15.00 Communication format		Tone	0x30	0	EEF	p 16	EEPROM read/write	The read/write error of the control parameters occurs	Reset by pressi "STOP/RESET"	ing

Default value	Chan ge
1	0
1	0
0	*
0	*
0	*
y	

input terminals are

acceleration /deceleration time

<sup>2</sup>Perform the parameter auto-tuning of the motor 3 Check the PG and its

④Adopt the drive with high

©Check the load

①Check the input power

supply ②Lengthen the deceleration time 3Select appropriate dynamic braking

Check the input power

Check the input voltage

Check the output wiring

①Rewiring and check if the motor insulation is good. @Check the wiring and

rewiring ③Seek for service support

①Lower the ambient

temperature ②Clean the duct or Replace the fanc 3Seek for service support

①Perform the parameter auto-tuning of the motor @Adopt the drive with higher power ③Set the start mode P08.00 as the speed tracking restart function

④Lengthen the acceleration time ⑤Check the grid voltage

①Set the overload protection factor of moto

©Set V/F curve and torque increase correctly 3Check the load and grid

①See the function definition of the "STOP" key in P00.14 @After the external fault i revoked, release the external fault terminal

Reset by pressing the "STOP/RESET" key, seek for service support

	Fault code Fault type Possible fault cause		Solutions	
CE	17	Abnormal remote serial port communicati on	①The baud rate is set improperly ②Serial port communication error	①Set the baud rate properly ②Reset by pressing the "STOP/RESET" key, seek for service support ③Modify the P15.03 settings
ItE	19	Current detection circuit abnormal	<ul> <li>①The wirings or the plug-in units of the control board loosens.</li> <li>②Hardware failure</li> </ul>	①Check them and rewiring ②seek for service support
bCE	46	Board-level communicati on fault	Board inspection signal connection problem	Seek for service support

Note: For more fault type and solutions, please see the full electronic manual.

## Warranty and Service

(1) Warranty period

The product is warranted for 18 months from the date of purchase, however, the warranty date shall not exceed 24 months after the manufacture date recorded in the nameplate. (2) Warranty scope

During the warranty period, any product abnormalities incurred due to our company can be freely repaired or replaced by our company. In case of any following situations, a certain maintenance fees for the product will also be charged even if it is in the warranty period.

The damages are caused by fire, flood, strong lightning strike, etc.
 The artificial damages are caused by unauthorized modifications.

 The product is damaged due to fall or in transit after purchasing.
 The damages are caused by using beyond the standard specification requirements.

(5) The damages are caused by operation and use failing to follow the instruction manual.

(3) After-sales service

(3) ARTER-Solies Service (1) If there are specific requirements for drive installation and commissioning, or the working status of the drive is unsatisfactory (such as unsatisfactory performance and function), please contact your product agent or Shenzhen Megmeet Electric Co., Ltd..

 (2) In case of any abnormality, please timely contact your product provider or Shenzhen Megmeet Electric Co., Ltd. for help.
 (3) During the warranty period, our company will repair any product abnormality incurred due to product manufacturing or design free of charge.
 (4) If the product is out of the warranty period, our company will make priod a company to product the company will make priod and the company to product the second of the warranty period. paid repair according to user's requirement. (5) The service charge is calculated by actual costs. If there is an

agreement, the agreement shall prevail.

If you want to know any information about the product, please contact us. Please provide the product model and the product serial number of the required information when consulting. You can access information and services in the following ways:

① Call our national unified service hotline: +86-400-666-2163 2) Website: www.megmeet.com

 Website: www.inegineeccom
 Scanning the two-dimensional code of inverter body data can be directly linked to the corresponding product data; You can also scan the Megmeet program QR code, enter the mini program, click "Data" at the bottom, select relevant business segments, select corresponding products, and obtain more information.





Applet





Official Website Official WeChat

# Drive Warranty Bill

Customer company:				
Detailed address:				
Contact:	Tel:			
Machine model:				
Machine No:	Purchase date:			
Service unit:				
Contact:	Tel:			
Maintenance date:				

MEGMEET	
	Inspector:
	Production Date:
Certificate of conformity	This product has been inspected by our quality department, its performance parameters meet the design standards, and it is allowed to leave the factory.

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Electronic manual

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