

Shenzhen Coolmay Technology Co., Ltd

Catalog V20.41

HMI/PLC All-in-one

CX3G/ FX3GC/ MX2N PLC

MT60/ MT90 HMI

Temperature Control Module

485/232 to Network Module

CM-OP&CM-RFM& Fiber to CAN/ RS485/RS232 Modules

Power Supply





Amplification Module

Inverter (VFD)



1.1. EX3G HMI/PLC All-in-one

Model	EX3G-43HB-24M	EX3G-43(50) KH-24M	EX3G-70KH	EX3G-100HA
Image				
				
Dimension	134*102*32mm	150*93*32mm	226*163*35.6mm	275*194*36mm
Cutout size	119*93mm	143*86mm	218*153mm	261*180mm
Power Consumption	4-6W	4-6W/5-7W	6-7W	6-8W
Features	Support interrupt, linear arc interpolation, PID auto-tuning, 32K program capacity, 32K retentive register			
HMI				
Display	60K colors touch panel	60K colors touch panel; can be portrait display		60K colors touch panel
Display size	97*56mm	97*56/108*65mm	154*87mm	222*133mm
Resolution (pixels)	480*272	43KH: 480*272 50KH: 800*480	70KH:800*480	1024*600
RAM	32MB	64MB		128MB
ROM	128MB			
Operation system	Null	WINCE 5.0		WINCE 7.0
CPU	ARM9 216MHz	ARM9 400MHz		CORTEX A8 720MHz-1GHz
Default COM port	1 touch panel download port	1 touch panel download port, 1 USB 2.0 port		
Optional	1 RS232 port	1 RS232 port	1 RS485 or 1RS232 port Ethernet port (can not coexist with PLC Ethernet port)	
Software	CoolMayHMI HMI programming software			
PLC				
I/O level	Input: Passive NPN, public terminal isolated Transistor output: Low level NPN, COM connect to negative; Relay output: Normally open dry contact			
I/O	12DI/12DO		12DI/12DO or 20DI/18DO or 24DI/20DO	
DO type	Relay(MR) or MOS(MT) (Relay output: max load 5A/ MOS output: max load 2A)		Relay(MR) or transistor(MT) or mixed(MRT) (Relay output: max load 5A/ transistor output: max load 500mA)	
High-speed counting	Single phase 6 channel 10KHz or 3 AB 10KHz or 2 ABZ+1 AB 10KHz	Single phase 6 channel 60KHz, or 2 AB 60KHz + 1 AB 10KHz, or 2 ABZ 60KHz + 1 AB phase 10 KHz		
High-speed pulse	8 channel 10KHz	8 channels, Y0-Y3 is 100KHz, Y4-Y7 is 10KHz. High-speed counting + high-speed pulse < 480KHz		
Default programming port	1 Mini type B USB port, 1 Rs232 port (also can be used as COM port)		1 Mini type B USB port, 1 Rs232 port (also can be used as COM port)	
Optional	2 Rs485 COM ports		1 Rs485 or 2 Rs485 COM ports (one is changed from the default Rs232 port), CAN (2.0A/B), Ethernet port (can not coexist with HMI Ethernet port), WIFI (will occupy the default Rs232)	
Analog I/O (optional)	4AI/2AO		16AI/8AO	
AI type (optional)	Type E/E_/K/K_/S/S_/T/T_/J/J_ thermocouple/ PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ 0~10V/ 0~5V/ 0~20mA/ 4~20mA/ mixed		Type E/E_/K/K_/S/S_/T/T_/J/J_ thermocouple/ PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ 0~10V/ 0~5V/ -5V~5V/ -10V~10V/ 0~20mA/ 4~20mA/ mixed	
AO type (optional)	0~10V /0~5V/ 0~20mA/ 4~20mA/ mixed		0~10V /0~5V/ 0~20mA/ 4~20mA/ mixed/ -5~5V/ -10~10V (2DA for 1 minus voltage)	
Software	Compatible with Mitsubishi GX Developer8.86 and WORKS 2			
Suggested models:	EX3G-43HB/43KH/50KH/-24MT/24MR(-4AD2DA-485P/232H) EX3G-70KH-24MR/44MT/MRT(-16AD8DA-485P/232H) EX3G-100HA-24MR/44MT/44MRT(-5AD2DA-485P/232H)			
Detailed info. refer to:	EX3G HMI/PLC all in one programming manual EX3G HMI/PLC all in one user manual CoolmayHMI user manual			


1.2. MX2N HMI/PLC All-in-one

Model	MX2N-43HB-24M	MX2N-70HB
Image		
		
Dimension	134*102*32mm	212*148*40mm
Cutout size	120*94mm	194*138mm
HMI		
Display	60K colors touch panel	
Display size	97*56mm	154*87mm
Resolution (pixels)	480*272	800*480
RAM	32MB	64MB
ROM	128MB	
Operation system	NULL	
CPU	ARM9 216MHz	ARM9 288MHz
Default COM	1 touch panel download port	
Optional	1 RS485 or 1 RS232 port	
Software	CoolMayHMI Programming Software	
PLC		
I/O	12DI/ 12DO	12DI/ 12DO, 24DI/ 20DO
I/O level	Low level NPN, COM connect to negative	
DO type	Relay (MR) or MOS (MT) (Relay output: max load 5A/ MOS output: max load 2A)	
High-speed counting	Default as single phase 6 channels (X0-X5) 10KHz, or 2 AB(Z) phase 10KHz. Or customized as single phase 6 channels 60KHz, or AB(Z) phase 2 channels 60KHz.	
High-speed pulse	Default as 4 channels (Y0-Y3) 20KHz, Or customized as 2 channels 200KHz and 2 channels 100KHz	
Analog I/O (optional)	4AI/ 2AO	8AI/ 2AO
AI type (optional)	Type E/ K/ J thermocouple/ NTC10K/ NTC50K/ 0-5V/ 0-10V/ 0-20mA (Note: 1. Thermocouples cannot coexist with NTC types./ 2. One thermocouple or NTC will occupy two analog inputs, max 2 thermocouple or NTC inputs.)	Type E/ K/ J thermocouple/ NTC10K/ NTC50K/ 0-5V/ 0-10V/ 0-20mA (Note: 1. Thermocouples cannot coexist with NTC types./ 2. NTC will occupy AD4 and AD6 as common terminals i.e. NTC+, max 6 NTC inputs./ 3. Only 2 E/K/J thermocouples are optional and will occupy AD4~AD7)
AO type (optional)	0-10V/ 0-5V/ 0-20mA/ Mixed	
Weighing function (optional)	NULL	1 channel (Occupies AD0~AD2)
Default	1 RS232 programming port	
Optional	NULL	1 RS485 COM port (changed from default Rs232 port) 1 CAN (used for internal networking with MX2N PLC, cannot coexist with weighing function)
Software	Compatible with Mitsubishi GX8.52 and WORKS 2	
Suggested models: MX2N-43HB-24MR/24MT(-4AD2DA-232H) MX2N-70HB-44MR/44MT(-8AD2DA-485P/232H)		
Details refer to COOLMAY MX2N HMI PLC All-in-one Programming Manual MX2N HMI PLC All-in-one User Manual CoolMayHM User Manual		













2.2. FX3GC PLC

Model	FX3GC-16M Communication/analog extension module can be customized	FX3GC-30M-485	FX3GC-32M
Image			
Dimension	90*60*32mm		
Installation	DIN-Rail (35mm) mounting		
Features	Support interrupt, linear arc interpolation, PID auto-tuning. 32K program capacity, 32K retentive register		
I/O level	Input: Passive NPN, public terminal isolated Transistor Output: NPN Relay output: NO contact		
Digital I/O	8DI/8DO	16DI/14DO	16DI/16DO
DO Type	Relay(MR)/ Transistor (MT)/ Mixed (MRT) (Relay output: max load 5A/ transistor output: max load 500mA)		
High-speed counting	Single phase 6 channel 60KHz, or 2 AB 60KHz + 1 AB 10KHz, or 2 ABZ 60KHz + 1 AB phase 10 KHz		
High-speed pulse	8 channels, Y0-Y3 is 100KHz, Y4-Y7 is 10KHz High-speed counting + high-speed pulse < 480KHz		
Analog I/O (optional)	6AI/4AO or 8AI/4AO or 8AI/6AO	NULL	
AI type (optional)	Type E/E_/K/K_/S/S_/T/T_/J/J_ thermocouple / PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ 0~10V/ 0~5V/ 0-20mA/ 4-20mA -5V~5V/ -10V~10V/ mixed	/	
AO type (optional)	0-10V/ 0-5V/ 0-20mA/ 4-20mA -5~5V/ -10~10V (2DA for 1 minus voltage)	/	
Default	1 Mini type B USB programming port, 1 RS422 programming port (Interface terminal is 8 holes mouse female port)		
Optional	2 RS485 COM ports, 1 CAN(2.0A/B)	1 RS485 COM port	/
Software	Compatible with Mitsubishi WORKS 2 / GX Developer8.86		
Suggested models: FX3GC-16/32MT/MR/MRT FX3GC-30MT/MR/MRT(-485)			
Analog and COM package of FX3GC-16M: 2 RS485, 1 CAN, 6AD4DA Or 1 RS485, 1 CAN port, 8AD4DA Or 1 RS485, 8AD/6DA Or 2 RS485, 1 CAN			
Detailed info. refer to: CX3G FX3GC PLC Programming Manual FX3GC User Manual			







2.3. MX2N PLC

Model	MX2N-24M
Image	
Dimension	130*90*36mm
Cutout size	122*99mm
Installation	Fixed hole installation and DIN-Rail(35mm)
I/O level	Low level NPN,COM connect negative
Digital I/O	12DI/12DO
Output type	Relay (MR)/ MOS(MT)/ Relay and MOS(MRT) (Relay output: max load 5A/ MOS output: max load 2A)
High speed counting	Default as single phase 6 channels (X0-X5) 10KHz, or 2 AB(Z) phase 10KHz. Or customized as single phase 6 channels 60KHz, or AB(Z) phase 2 channels 60KHz.
High speed pulse	4 channels 20KHz (Y0/Y1/Y2/Y3), or customized as 4 channels (Y0/Y1 200KHz, Y2/Y3 100KHz)
Analog I/O (optional)	4AI/ 2AO
Analog input (optional)	NTC10K/ NTC50K/ 0-10V/ 0-5V/ 0-20mA (Note: 1 NTC type will occupy 2 analog input terminals, max 2 NTC inputs can be selected.)
Analog output (optional)	0-10V/ 0-5V/ 0-20mA or mixed
Weighing function (optional)	1 channel
Default	1 RS232 programming port
Optional	1 RS485 or 1 RS232 COM port (Power-up defaults as Mitsubishi programming port protocol) 1 CAN (used for internal networking with MX2N PLC, cannot coexist with weighing function)
Programming software	Compatible with Mitsubishi PLC programming software GX8.52 and WORKS 2
Suggested models: MX2N-24MR/MT/MRT(-4AD2DA-485/232)	
Detailed info. refer to: MX2N PLC User Manual MX2N series PLC programming Manual	


3.1. Color Touchscreen HMI

Model		MT6037H	MT6043H	MT6050H	MT6070H	MT6100HA	MT6150HA	
Image	Front							
	Rear							
Specs	Dimension	88*88*25mm	134*102*32mm	146*88*25mm	212*148*40mm	275*194*36mm	365*290*36mm	
	Cutout size	72*72mm	119*93mm	135*72mm	194*138mm	261*180mm	350*280mm	
	Display size	73*56mm	97*56mm	108*65mm	154*87mm	222*125mm	304*228mm	
	Weight(kg)	About 0.3 kg	About 0.33 kg	About 0.33 kg	About 0.54 kg	About 0.7 kg	About 3.414 kg	
Display	Display	3.5" TFT	4.3" TFT	5" TFT	7" TFT	10.1" TFT	15.0" TFT	
	Resolution(pixels)	320*240	480*272	800*480	800*480	1024*600	1024*768	
	Brightness	300cd/m ²					450cd/m ²	
	Contrast ratio	400:1						
	Backlight	LED						
	Backlight time	60,000 h						
	Display color	65536 true colors						
Touch type	4-wire resistive panel							
Storage	ROM	128MB						
	RAM	64MB				128MB		
	CPU	ARM9 core 400MHz				CORTEX A8 720MHz-1GHz		
Operating system	WINCE 5.0					WINCE 7.0		
Interface	USB port	USB 2.0*1 (USB port and can be connected to external USB flash drive, mouse, etc.)						
	Download port	Yes (Mini type B male port cable for program download)			Yes (Type B male port cable for program download)			
	Ethernet port	Optional						
	COM port	1 RS232 and 1 RS485						
	Protocol	Support MODBUS, free port and common PLC communication Protocol						
Calendar	Yes							
Input Voltage	Default as DC12~24±10%V							
Consumption	100mA*24V	150mA*24V	150mA*24V	200mA*24V	280mA*24V	500mA*24V		
Protection Class	IP65 (front panel)							
Temperature	Ambient environment: 0~50°C Storage environment: -20~70°C							
Humidity	20%~90% RH							
Certification	CE							
Software	CoolMay HMI programming software Detailed info. refer to CoolMay HMI user manual , CoolMay HMI programming manual							






3.2. Color Touchscreen HMI

Model		MT9037H	MT9043KH/ MT9050KH	MT9070KH
Image	Front			
	Back			
Regulation	Dimension	88*88*25mm	150*93*32mm	226*163*35.6mm
	Cutout size	72*72mm	143*86mm	217*154mm
	Display size	73*56mm	97*56mm	154*87mm
	Weight	about 0.3 kg	about 0.33 kg	about 0.7 kg
Display	Display	3.5" TFT	4.3" TFT/ 5.0" TFT	7" TFT
	Resolution (pixels)	320*240	MT9043KH: 480*272 MT9050KH: 800*480	800*480
	Brightness	300cd/m ²		
	Contrast ratio	400:1		
	Backlight	LED		
	Backlight life	60,000 hours		
	Display color	65536 true colors		
	Touch type	4-wire resistance panel		
storage	ROM	128MB		
	RAM	32MB	64MB	
	CPU	ARM9 core 216MHz		ARM9 core 288MHz
Operating system		Null		
COM port	Download port	Yes (Mini type B male port cable for program download)		Yes (Type B male port cable for program download)
	COM port	1 RS232 and 1 RS485	1 RS232 and 1 RS485 (COM1: RS232 or RS485/ COM2: RS232)	1 RS232 and 1 RS485 (COM1: RS232/ COM2: RS485)
	CAN port	NULL	CAN 2.0B is optional, can't coexist with COM2	
	Protocol	Support MODBUS, free port and common PLC communication Protocol		
Calendar		Yes		
Output voltage		Default as DC12~24±10%V		
Consumption		< 3W	< 8W	
Protection class		IP65 (front panel)		
Temperature		Ambient environment: 0~50°C Storage environment: -20~70°C		
Humidity		20%~90% RH		
HMI software		CoolMay HMI Programming Software Detailed info. refer to CoolMay HMI User Manual , CoolMay HMI programming manual		


4. Multi-channel Temperature Control Module

Model	CM-4TMS	CM-4TMR
Image		
Installation	DIN-Rail	
Measuring range	-200.00°C~1350.00°C	
Channels	4 channels	
Input type	Thermal resistance DPT100Ω, JPt100Ω 3 wire Thermocouple K, J, E, T, L, N, U, R, S, B, C, G and PLII (13 types)	
Measurement accuracy	Below (PV±0.5% or ±1°C the larger one) ±1bit	
Control output	SSR: 22VDC ±3V Max.30mA	Relay: 250VAC 3A constantly keep off
Connection method	Pluggable terminals	
Communication protocol	RS485, MODBUS-RTU	
Supply voltage	24VDC (±10%)	
Maximum input current	200mA	
Consumption power	5W (Maximum load)	
Sampling period	100ms	
Withstand voltage	1000VAC 50/60Hz last for 1 min (between the input terminal and the power terminal)	
Withstand Vibration	5 ~ 55Hz(cycle 1min) amplitude 0.75mm. X, Y, Z each direction 2 hours	
Dimension	90.0*64.0*32.5 mm	
Working condition	Ambient temperature: 0°C~50°C Storage temperature: -20°C~60°C	
Net weight	Approx 135~152g	
Detailed info. refer to: Coolmay CM-4TM User Manual		

5. 485/232 to Network Module

Model	CM-WIFI	CM-GPRS	CX-GPRS-G (supports GPS location)	CX-WIFI-2NET	CX-4G
Image					
Installation	Standard guide rail installation and can be installed on NS35/7.5 or NS32 guide slot				
Dimension	90*60*32mm			65*90*36mm	
Wiring	Power and RS232/485 applies pluggable terminals				
Frequency range	2.412GHz ~ 2.484GHz	850/ 900/ 1800/ 1900MHz GSM	850/ 900/ 1800/ 1900MHz GSM	2.412 GHz~2.484 GHz	5 modes 12 channels
Network standards	802.11 b/g/n	GSM/ GPRS/ EDGE	GSM/ GPRS/ EDGE	802.11 b/g/n	TDD-LTE/ FDD-LTE WCDMA/ TD-SCDMA/ GSM/ GPRS/ EDGE
Data interface	RS232, RS485 300bps~460800bps	RS232, RS485 2400bps~921600bps	RS232, RS485 2400bps~921600bps	RS232, RS485 300bps~460800bps Ethernet: 100Mbps	RS232, RS485 300~230400bps
Network type	STA/ AP/ STA + AP	GSM/ GPRS/ EDGE	GSM/ GPRS/ EDGE	Station/ AP mode	TDD-LTE/ FDD-LTE WCDMA/ TD-SCDMA GSM/ GPRS/ EDGE
Network protocol	IPv4, TCP/ UDP/ HTTP	TCP/ UDP/ DNS/ HTTP	TCP/ UDP/ DNS/ HTTP	TCP/ UDP/ ARP/ ICMP/ DHCP/ DNS/ HTTP	TCP/ UDP/ DNS/ HTTP
User configuration	Web page/ Serial port AT command	Serial port/ network/ message AT instruction (configuration software is offered)	Serial port/ network/ message AT instruction (configuration software is offered)	Web server/ AT instruction	Serial port/ network/ message AT instruction (configuration software is offered)
Transmit power	300~460800bps	2400~921600bps		300~460800bps	300~230400bps
Manuals	CM-WIFI user manual CM-GPRS user manual CM-WIFI-2NET user manual CX-4G user manual				
Software	Visual serial port CM-VCOM CM-GPRS module setting software CM-NET module setting software CX-4G module setting software				



6. Radio Frequency Module

Model	CM-RFM
Image	
Frequency Range	430~450Mhz
Installation	Standard rail mounting for mounting on NS35/7.5 or NS35 guide slot
Dimension	90*60*32mm
Modulation way	GFSK
Serial port speed	1200, 2400, 4800, 9600, 19200, 38400, 115200bps
Channel spacing	150kHz
Transmission rate	1~100Kbps
Transmission power	Max 20dBm (100mw), 9 level adjustable power
Receiver sensitivity	-114dBm (@10Kbps, dev=25kHz, BER<0.1%)
Cache space	Dual 256 bytes
Transmission distance	1~2 kilometers @10kbps, 20dBm, open space
Wiring	Power 3.50 Pluggable terminals and RS485 applies 3.81 Pluggable terminals
Manuals	CM-RFM user manual



7. Fiber to CAN/ RS485/ RS232 Module

Model		Fiber to CAN/RS485/RS232 Module
Image	Front	
	Back	
Maximum fiber length		80 Kilometers
Baud rate		0~1 Mbps
Optical ports		ST, SC or FC interface single fiber or dual fiber
Net weight		100g
Dimension		106mm (L) * 65mm (W) * 35mm (H)
Cutout size		98 mm * 57 mm
Working environment temperature		-40°C ~ +85°C
Humidity		≤ 95% RH
Installation		Din-Rail, wall hanging, plane fixed
Refer info.: Fiber to CAN, RS485, RS232 User Manual		




8. CM-OP Offline Programming Module

Model		CM-OP Offline programming module	
Image	Front		
	Side, Rear		
Installation		35mm standard rail mounting, handheld equipment	
Connection method		MICRO USB&RS485/RS232	
Protocol		Mitsubishi programming port protocol	
Power supply		Built-in 2000mAH lithium battery	
Charging voltage		5V	
Maximum input current		50mA	
Static power		<0.5W	
Net Weight		50g	
Dimension		90*64*33mm	
Working temperature		-20°C~85°C	
Programming software		Compatible with Mitsubishi PLC programming software GX8.52 and WORKS 2	
Refer info: CM-OP Offline programming module user manual			




9. Power Supply

Model		CX6024-12-5	CX2024	CM6024	CM15024
Image	Flank				
	Back				
Installation		Standard guide rail installation and can be installed on NS35/7.5 or NS35 guide slot			Screw fixation, vertically or paralleled installation
Dimension		85*90*36mm	65*90*36mm	90*60*32mm	159*97*38mm
Connection mode		7.62 barrier terminal		5P-7.62 barrier terminal	7P-9.5 barrier terminal
Input voltage		88~264VAC or 125~373VDC			
Input frequency		47~63HZ			
Output voltage		DC24V/ DC12V/ DC5V	DC24V		
Output current		1A	0.8A	2.5A	6.5A
Impulse current		30A/ 230VAC			60A/ 230VAC
Output accuracy		±1%			
Output efficiency		86%	85%	86%	89%
No-load consumption		<0.5W			
Defensive function		Short circuit/ over voltage/ overload protection			
Manuals		Coolmay power supply user manual			

10. Amplification Module

Model	CM-MOS	CM-SSR	CM-REY
	Transistor amplification module	Solid state amplification module	Intermediate amplifier module
Image			
Installation	Standard guide rail installation and can be installed on NS35/7.5 or NS32 guide slot		
Dimension	89.5*79*32.5mm		
Connection mode	5.08 pluggable terminal		
Input voltage	DC24V		
Input type	NPN		
Working voltage	DC12~30V	AC100~250V	DC/AC0~250V
Output current	5A	5A	15A
Max. Output current	10A	10A	16A
Output method	MOS	Zero-crossing trigger	Relay tip
Output points	6I/6O		
Output type	NPN		
Protection method	optoelectronic isolation, FWD protection	optoelectronic isolation, RC absorption circuit	Relay-isolated, 400V piezoresistor
Manuals	Coolmay Amplifier User Manual		

11. Inverter / Variable Frequency Drive (VFD)

Model	CM520-0.75/1.5KW	CM540-0.75/1.5/4.0KW	CM540-5.5/7.5/11KW
Image			
Dimension L*W*Hmm	86*114*143	118*156*185	247*160*176
Weight	0.9kg	2.0kg	3.7kg
Basic Function			
Maximum frequency	Vector control: 0~600Hz		Vector control: 0~600Hz V/F control: 0~3200Hz
Carrier frequency	0.8kHz~12kHz. The carrier frequency automatically adjusted based on the load features.		
Input frequency resolution	Digital setting: 0.01Hz Analog setting: Maximum frequency ×0.025%		
Control mode	Open-loop vector control (SVC), Closed-loop vector control (FVC), VF control.		
Startup torque	G type: 0.25Hz/150% (SVC), 0Hz/180%(FVC), P type: 0.5Hz/100%		
Speed range	1:200(SVC), 1:1000(FVC)		
Speed stability accuracy	±0.5%(SVC), ±0.02%(FVC)		
Torque control precision	±5% (SVC) (above 10Hz), ±3%(FVC)		
Overload capacity	G type: 150% rated current 60s. 180% rated current 3s. P type: 120% rated current 60s. 150% rated current 3s.		
Torque boost	Automatic torque boost. Manual torque boost 0.1%~30.0%		
V/F curve	Five modes: Straight-line, Multi-points, Square V/F, V/F separation, V/F Semi-separation		
V/F Separation	Two modes: complete separation, semi-separation		
Ramp mode	Straight-line ramp and S-curve ramp. Four kinds of acceleration/deceleration time with the range of 0.0~6500.0s		
DC injection braking	DC braking frequency: 0.00Hz~maximum, braking time: 0.0s~36.0s. Braking action current value: 0.0%~100.0%		
Jog control	Jog frequency: 0.00Hz~50.00Hz Jog acceleration and deceleration time:0.0s~6500.0s		
Simple PLC, multistage speed operation	It implements up to 16 speeds via the simple PLC function or combination of DI terminal states.		
Built-in PID	It can keep constant output voltage automatically when the mains voltage changes.		
Automatic voltage regulation (AVR)	Automatically maintain a constant output voltage when grid voltage changes.		
Over voltage/Over current loss of speed control	Automatic limit of the current and voltage during the operation, prevent frequent over current and over voltage		
Rapid current limit	Minimizing over-current fault and protect the normal operation of converter.		
Torque limit and control	"Excavator" characteristics, automatic limit of the torque during the operation, to prevent frequent over-current trip. Closed-loop vector mode torque control can be achieved.		
<p>Other models: CM540-15/ 18.5/ 22KW, CM540-30/ 37KW CM540-45/ 55/ 75KW, CM540-90/ 110KW CM540-132/ 160/ 185KW, CM540-200/ 220/ 250/ 280KW CM540-315/ 350KW.</p> <p>The above models are all iron shells. For detailed dimensions, please contact us Detail info refer to: Coolmay CM520 VFD user manual Coolmay CM540-Inverter user manual</p>			