



# Product Catalog

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Shenzhen Coolmay Technology Co., Ltd

V22.51

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# I. QM3G HMI/PLC all-in-one

Model	QM3G-43FH	QM3G-50FH	QM3G-70FH	QM3G-70KFH	QM3G-100FH
Image					
Dimension	134*102*34mm	151*96*36mm	200*146*36mm	226*163*35.6mm	275*194*36mm
Cutout size	120*94mm	143*86mm	192*138mm	217*154mm	262*180mm
Input	24VDC				
Power Consumption	4-6W	5-7W	6-7W	6-7W	6-8W
<b>HMI</b>					
Feature	60K colors resistive touch screen, supports portrait display				
Type	4.3"TFT	5"TFT	7.0"TFT	7.0"TFT	10.1"TFT
Display size	97*56mm	108*65mm	154*87mm	154*87mm	222*125mm
Resolution(pixels)	480*272	800*480	800*480	800*480	1024*600
RAM	64MB (Please inquire if requires storing historical data)				
ROM	NOR Flash 8MB		NOR Flash 16MB		
CPU	32bit CPU 408MHz				
COM ports	Type-C HMI download port (can download PLC program through the USB penetrating function), RS232 port			Type-B HMI download port (can download PLC program through the USB penetrating function), RS232	
Software	<a href="#">Coolmay mView HMI Programming Software</a>				
<b>PLC</b>					
I/O level	<ul style="list-style-type: none"> <li>- Input: Passive NPN, public terminal isolated</li> <li>- Transistor output: Low level NPN, COM connect to negative</li> <li>- Relay output: Normally open dry contact</li> </ul>				
DO type and load	<ul style="list-style-type: none"> <li>- MT: 2A/point, 4A/4 point COM, 5A/12 point COM</li> <li>- MR: 2A/point, 5A/12 point COM</li> </ul>		<ul style="list-style-type: none"> <li>- MT: 2A/point, 4A/4 points COM; MT: 0.5A/point, 0.8A/4 points COM, 1.6A/8 points COM</li> <li>- MR: 2A/point, 4A/4 points COM, 5A/12 points COM.</li> </ul>		
High-speed counting	Single phase 6 channel 60KHz, or 2 AB 60KHz + 1 AB 10KHz, or 2 ABZ 60KHz + 1 AB phase 10KHz				
High-speed pulse (Only for MT models)	8 channels, Y0-Y3 is 100KHz, Y4-Y7 is 10KHz. High-speed counting + high-speed pulse < 480KHz				
COM port	1x TYPE-C, 1x RS232, 1x RS485			1x mini USB, 1x RS232, 1x RS485	
Software	Compatible with GX Developer8.86 and <a href="#">GX WORKS 2</a>				
Detailed info. refer to: " <a href="#">Coolmay QM3G-FH All-in-One User Manual</a> ", " <a href="#">Coolmay CX3G/FX3GC PLC Programming Manual</a> ", " <a href="#">Coolmay TK HMI User Manual</a> "					

## Optional functions

Model	I/O	Output	AI/AO	AI type	AO type	HMI COM port	PLC COM port
QM3G-43FH	12/12	MT	2/1 or 4/2	- Thermocouple E/E_/K/K_/S/S_/T/T_/J/J_/ / PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ - 0~10V/ 0~5V - 0~20mA/ 4~20mA - Mixed	- 0~10V	/	- 2x RS485 (one of which is changed from the default RS232 port) - 1x WIFI (occupy default RS232 port)
QM3G-43FH	12/12	MR			- /0~5V		
QM3G-50FH	12/12	MT			- 0~20mA/		
QM3G-50FH	12/12	MR			- 4~20mA - Mixed		
QM3G-70FH	12/12	MT	2/1 or 4/2 or 6/4 or 8/4 or 12/8	- Thermocouple E/E_/K/K_/S/S_/T/T_/J/J_/ / PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ - 0~10V/ 0~5V/ -5V~5V/ - 10V~10V - 0~20mA/ 4~20mA - Mixed	- 0~10V	- 1x RS485 (occupy default RS232 port)	- 2 RS485 COM ports (one of which is changed from the default RS232 port) - 1 WIFI (occupy default RS232 port) - 1x CAN (2.0A/B) port - 1x Ethernet port
QM3G-70FH	12/12	MR			- /0~5V/ - 5~5V/ -		
QM3G-70FH	24/20	MT			- 10~10V (2AO for 1 minus voltage)		
QM3G-70FH	24/16	MR			- 0~20mA/ 4~20mA - Mixed/		
QM3G-70KFH	20/18	MT	2/1 or 4/2 or 6/4 or 8/4 or 12/8 or 16/8	- 0~20mA/ 4~20mA - Mixed	- 0~20mA/		
QM3G-70KFH	20/18	MR			- 4~20mA		
QM3G-70KFH	30/30	MT			- Mixed/		
QM3G-70KFH	30/26	MR					
QM3G-100FH	12/12	MT					
QM3G-100FH	12/12	MR					
QM3G-100FH	20/18	MT					
QM3G-100FH	20/18	MR					
QM3G-100FH	24/20	MT					
QM3G-100FH	24/16	MR					
QM3G-100FH	30/30	MT					
QM3G-100FH	30/26	MR					





## II. EX3G HMI/PLC all-in-one

Model	EX3G-43H	EX3G-50KH	EX3G-70KH	EX3G-100HA
Image				
				
Dimension	134*102*32mm	151*96*36mm	226*163*35.6mm	275*194*36mm
Cutout size	120*94mm	143*86mm	217*154mm	262*180mm
Power Consumption	4-6W	5-7W	6-7W	6-8W
Features	Support interrupt, linear arc interpolation, PID auto-tuning. 32K program capacity, 32K retentive register			
<b>HMI</b>				
Display	60K colors resistive touch screen; H/KH series can be portrait display			60K colors resistive touch screen
Type	4.3" TFT	5" TFT	7" TFT	10.1" TFT
Display size	97*56mm	108*65mm	154*87mm	222*133mm
Resolution (pixels)	480*272	800*480	800*480	1024*600
RAM	64MB			128MB
ROM	128MB			
Operation system	WINCE 5.0 version			WINCE 7.0 version
CPU	ARM9 core 400MHz			CORTEX A8 720MHz-1GHz
COM port	1 Type-C (HMI download port); 1 USB 2.0 port		1 Type-B (HMI download port); 1 USB 2.0 port	
Software	<a href="#">CoolMayHMI HMI programming software</a>			
<b>PLC</b>				
I/O level	<ul style="list-style-type: none"> <li>- Input: Passive NPN, public terminal isolated</li> <li>- Transistor output (MT): Low level NPN, COM connect to negative;</li> <li>- Relay output (MR): Normally open dry contact</li> </ul>			
DO type and load	<ul style="list-style-type: none"> <li>- MOS tube: 2A/point, 4A/4 point COM, 5A/12 point COM;</li> <li>- MR: 2A/point, 5A/12 point COM.</li> </ul>		<ul style="list-style-type: none"> <li>- MOS tube: 2A/point, 4A/4 points COM;</li> <li>- MT: 0.5A/point, 0.8A/4 points COM, 1.6A/8 points COM;</li> <li>- MR: 2A/point, 4A/4 points COM, 5A/12 points COM.</li> </ul>	
High-speed counting	6 channels single-phase 60KHz, or 2 channels AB (Z) phase 60KHz + 1 channel AB phase 10KHz			
High-speed pulse (only for MT models)	8 channels, Y0-Y3 is 100KHz, Y4-Y7 is 10KHz High-speed counting + high-speed pulse < 480KHz			
COM port	1x Type-C programming port; 1x RS232		1x Mini USB programming port; 1x RS232	
Software	Compatible with GX Developer8.86 and <a href="#">GX WORKS 2</a>			
Detailed info. refer to: <a href="#">EX3G HMI/PLC all in one programming manual</a> <a href="#">EX3G HMI/PLC all in one user manual</a> <a href="#">CoolmayHMI user manual</a>				












## Optional functions

Model	I/O	Output	AI/AO	AI type	AO type	HMI COM port	PLC COM port
EX3G-43H	12/12	MT	2/1 or 4/2	- Thermocouple E/E_/K/K_/S/S_/T/T_/J/J_/ / PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ - 0~10V/ 0~5V - 0~20mA/ 4~20mA - Mixed	- 0~10V	- 1x RS232	- 2x RS485 (one of which is changed from the default RS232 port) - 1x WIFI (occupy default RS232 port)
EX3G-43H	12/12	MR			- /0~5V	- 1x Audio	
EX3G-50KH	12/12	MT			- 0~20mA/		
EX3G-50KH	12/12	MR			- 4~20mA - Mixed		
EX3G-70KH	12/12	MT	2/1 or 4/2 or 6/4 or 8/4 or 12/8 or 16/8	- Thermocouple E/E_/K/K_/S/S_/T/T_/J/J_/ / PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ - 0~10V/ 0~5V/ -5V~5V/ - 10V~10V - 0~20mA/ 4~20mA - Mixed	- 0~10V	- 1x RS485	- 1 RS485 - 2 RS485 COM ports (one is changed from the default RS232 port) - 1x CAN (2.0A/B) - 1x Ethernet port (can not coexist with HMI Ethernet port), - 1x WIFI (will occupy the default RS232)
EX3G-70KH	12/12	MR			- /0~5V/ -	- or 1x RS232	
EX3G-70KH	20/18	MT			- 5~5V/ -	- port	
EX3G-70KH	20/18	MR			- 10~10V	- 1x Ethernet	
EX3G-70KH	24/20	MT			- (2AO for	- port (can	
EX3G-70KH	24/16	MR			- 1 minus	- not	
EX3G-70KH	30/30	MT			- voltage)	- coexist	
EX3G-70KH	30/26	MR			- 0~20mA/	- with PLC	
EX3G-100HA	12/12	MT			- 4~20mA	- Ethernet	
EX3G-100HA	12/12	MR			- Mixed/	- port)	
EX3G-100HA	20/18	MT				- Audio	
EX3G-100HA	20/18	MR					
EX3G-100HA	24/20	MT					
EX3G-100HA	24/16	MR					
EX3G-100HA	30/30	MT					
EX3G-100HA	30/26	MR					



### III. L02 PLC Host

Model		L02M32T	L02M32R	L02M24T	L02M24R
Image					
Programming language		Ladder diagram (LD) / instruction list / Sequential function chart (SFC)			
Program capacity		32k steps			
Storage capacity	Date (D)	[D0~D127] 128points General / [D128~D7999] 7872points Retentive / [D8000~D8511]512points Special			
	Expansion(R)	[R0~R22999] 23000points. Support power-down retention / [R23000~R23999].1000points Internal use			
Expansion model		Max limit of 31 units: max 12 analog input/output respectively			
Max I/O		FX3U mode: 512 points; FX3G mode: 256 points (the sum of input and output points)			
CPU Digital I/O		16DI / 16DO		12DI/ 12DO	
CPU analog I/O		/		4AI/4AO	
AI Type		/		2*0-10V, 2*0-20mA(4-20mA)	
AO Type		/		2*0-10V, 2*0-20mA(4-20mA)	
Timer T		[TO~T199] 200points 100ms General / [ [T250~T255] 6points 100ms Retentive [T246~T249] 4points 1ms cumulative Retentive / [T256~T319] 64points 1ms General [T200~T245] 46points 10ms General			
		※The 10ms timer is affected by the scan period. If the scan period is 12ms,the timer becomes 12ms and executes once.			
16-bit counter C		[CO~C15] 16points General			
32-bit counter C		[C200~C219] 20points General		[C220~C234] 15points Retentive	
		[C235~C245 Single phase single counting][C246~C250 single phase double counting]			
		[C251~C255 Two-phase double counting]			
High-speed pulse		4-axis 200KHz+4-axis 50KHz (Y0-Y3 each 200KHz; Y4-Y7 each 50KHz, total should not be over 200KHz)			
High-speed counter		Single phase 6 channels 60KHz, or AB(Z) phase 2 channels 60KHz+AB phase 1 channel 10KHz			
Do type		L02M32T/L02M24T: Transistor output, load maximum 500mA, low level NPN, COM connected to negative  L02M32R/L02M24R: Relay output, load maximum 2A, dry contact, COM can be connected to positive or negative			
Default COM		Type-C, RS-232, RS-485*2, Ethernet, CAN			
Protocol		Programming port Modbus RTU, Modbus TCP, Modbus UDP, freeprot protocol, CAN, Ethernet/IP, BD board			
Data backup function No battery storage	Program	Flash ROM			
	Retentive area	MRAM has no write limit			
Calendar(RTC)		Commercially available batteries CR1620(optional)			
Self-diagnosis		CPU abnormalities, internal memory problems, etc			
Rated input voltage		24VDC(± 10%)			
Software		Compatible with <a href="#">GX WORKS 2</a>			
Detailed info. refer to <a href="#">Coolmay L02 Series PLC Programming Manual</a> <a href="#">L02 Series PLC Controller User Manual</a>					



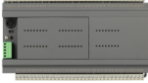

## L02 PLC modules

Sort	Model	Image	Description
Power supply Module	L02-60P		Input: 100-240VAC, 50/60Hz AC power input. Output (for L02 series products): 24VDC/1.5A, 36W Output (for other products): 24VDC/0.5A, 12W
Digital input Module	L02-8EX		DC24V, 6mA, 8 points input, push-type terminal
	L02-16EX		DC24V, 6mA, 16 points input, push-type terminal
	L02-32EX		DC24V, 6mA, 32 points input, horn block terminal
Digital output Module	L02-8EYT		30VDC, 2A/point; 2A/4point COM, 8 points transistor output, push-type terminal
	L02-8EYR		Below AC220V / Below DC30V, 2A/point, 4A/4point COM, 8 points relay output, push-type terminal
	L02-16EYT		30VDC, 2A/point; 2A/4point COM, 16 points transistor output, push-type terminal
	L02-16EYR		Below AC220V / Below DC30V, 2A/point, 4A/4point COM, 16 points relay output, push-type terminal
	L02-32EYT		30VDC, 2A/point; 2A/4point COM, 32 points transistor output, horn block terminal
Digital input output mixed Module	L02-16ET		DC24V, 6mA, 8 points input; 30VDC, 2A/point; 2A/4point COM, 8 points transistor output, push-type terminal
	L02-16ER		DC24V, 6mA, 8 points input; Below AC220V / Below DC30V, 2A/point, 4A/4point COM, 8 points relay output, push-type terminal
	L02-32ET		DC24V, 6mA, 16 points input; 30VDC, 2A/point; 2A/4point COM, 16 points transistor output, horn block terminal
Analog output Module	L02-4DA		4-channel analog signal output 16-bit resolution 0~5V, 0~10V, 0~20mA
Analog input Module	L02-4AD		channel analog signal input 16-bit resolution 0~10V, 0~5V, 0~20mA, -20~20mA
Analog input output mixed Module	L02-4AD2DA		4-channel analog signal input; 16-bit resolution 0~10V, 0~5V, 4~20mA, 0~20mA 2-channel analog signal output; 16-bit resolution 0~5V, 0~10V, 0~20mA
Temperature Module	L02-4RTD		4-channel 2-wire or 3-wire RTD temperature sensing Sensor type: Pt100; Resolution: 0.1°C/0.1°F (16 bit converter)
	L02-4TC		4-channel thermocouple temperature sensing Sensor type: J, K, S, T, E; Resolution: 0.1°C/0.1°F (16 bit converter)
	L02-4NTC		4-channel thermistor temperature sensing Sensor type: NTC10K (Default B value 3435); Resolution: 0.1°C/0.1°F (16 bit converter)



Sort	Model	Image	Description
Weighing/Load cell Module	L02-2LC		2-channel 4-wire load cell Characteristic values: 1, 2, 4, 6, 20, 40, 80 mV/V Accuracy error value: one ten thousandth (1/10000) ADC resolution: 23 bits
Ethernet/IP Module	L02-EIP		Built-in two Ethernet interfaces, support switch function Support Ethernet/IP protocol, remotely expand I/O available.
Detailed info. refer to <a href="#">L02 Series AIO Module User Manual</a> , <a href="#">L02 Series DIO Module User Manual</a> , <a href="#">L02-EIP Module User Manual</a>			













## IV. CX3G PLC

Model	CX3G-16M	CX3G-24M	CX3G-48M	CX3G-64M	CX3G-80M
Image					
Dimension	85*90*36mm	130*90*36mm	200*90*36mm	290*90*36mm	
Cutout size	77*99mm	122*99mm	192*99mm	282*99mm	
Installation	Fixed hole installation and DIN-Rail (35mm )				
Features	Support interrupt, linear arc interpolation, PID auto-tuning. 32K program capacity, 32K retentive register				
I/O level	<ul style="list-style-type: none"> <li>- Input: Passive NPN, public terminal isolated</li> <li>- Transistor output: NPN</li> <li>- Relay output: Normally open dry contact</li> </ul>				
DO type and load	<ul style="list-style-type: none"> <li>- MOS tube: 2A/point, 4A/4 point COM;</li> <li>- Transistor MT: 0.5A/point, 0.8A/4 point COM, 1.6A/8 point COM;</li> <li>- MR: 2A/point, 4A/4 point COM, 5A/8 point COM.</li> </ul>				
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 (only for MT models)	8 channels 10KHz	8 channels, Y0-Y3 is 100KHz, Y4-Y7 is 10KHz			
	High-speed counting + high-speed pulse < 480KHz				
COM port	1x Mini type B USB programming port, 1x RS232 programming port (Interface terminal is mouse female port with 8 holes), 2x RS485 COM ports				
Software	Compatible with <a href="#">GX WORKS 2</a>				
Detailed info. refer to <a href="#">COOLMAY CX3G PLC Programming Manual</a> <a href="#">CX3G PLC user manual</a>					

## Optional functions

Model	I/O	Output	AI/AO	AI type	AO type	PLC COM port
CX3G-16M	8/8	MT	/	/	/	2x default RS485 ports can be changed into
CX3G-16M	8/6	MR	/			- 1x RS485 + 1x RS232
CX3G-24M	12/12	MT	2/1 or 4/2 or 6/4	- Thermocouple E/E_/K/K_/S/S_/T/T_/JJ/J_/PT100/ PT1000/ NTC10K/ NTC50K/ NTC100K/ - 0~10V/ 0~5V/ -5V~5V/ -10V~10V - 0~20mA/ 4~20mA - Mixed	- 0~10V /0~5V/ -5~5V/ -10~10V (2AO for 1 minus voltage) - 0~20mA/ 4~20mA - Mixed/	Or - 1x RS485 + 1x CAN (2.0A/B) port Or - 1x RS232 + 1x CAN (2.0A/B) port
CX3G-24M	12/12	MR				
CX3G-48M	24/24	MT	2/1 or 4/2 or 6/4 or 8/4			- 2x default RS485 ports can be changed into a) 1x RS485 + 1x RS232 Or b) 1x RS485 + 1x CAN (2.0A/B) port Or c) 1x RS232 + 1x CAN (2.0A/B) port
CX3G-48M	24/24	MR				- 1x Ethernet port
CX3G-64M	32/32	MT	2/1 or 4/2 or 6/4 or 8/4 or 12/8 or 16/8			- 1x RS232 COM port (changed from one default RS485 port)
CX3G-64M	32/32	MR				- 1x CAN (2.0A/B) port
CX3G-80M	40/40	MT	2/1 or 4/2 or 4/4			- 1x Ethernet port
CX3G-80M	40/40	MR				

# V.TK HMI

Model		TK6037FH	TK6043FH	TK6050FH	TK6070FH	TK6100FH	TK6150FH
Image	Front						
	Rear						
Specs	Dimension	88*88*25mm	134*102*34mm	151*96*36mm	200*146*36mm	275*194*36mm	386*300*40mm
	Cutout size	72*72mm	120*94mm	143*86mm	192*138mm	262*180mm	366*280mm
	Display size	73*56mm	97*56mm	108*65mm	154*87mm	222*125mm	305*229mm
	Weight(kg)	0.3 kg	0.33 kg	0.33 kg	0.54 kg	0.7 kg	3.3 kg
Display	Display	3.5" TFT	4.3" TFT	5" TFT	7.0" TFT	10.1" TFT	15" TFT
	Resolution (pixels)	320*240	480*272	800*480	800*480	1024*600	1024*768
	Brightness	300cd/m <sup>2</sup>	400cd/m <sup>2</sup>	300cd/m <sup>2</sup>			450cd/m <sup>2</sup>
	Contrast ratio	400:1					
	Backlight	LED					
	Backlight time	60,000 hours					
	Display color	65536 colors					
	Touch type	4-wire resistive panel					
Storage	ROM	NOR Flash 8MB		NOR Flash 16MB			
	RAM	64MB (HMI when stores historical data, optional ferroelectric is required)					
	CPU	32bit CPU 408MHz					
Interface	Interface	Download port: Type-C, RS232, RS485 COM port: RS232, RS485			Download port: Type-B, RS232, RS485 COM ports: RS232, RS485		Download port: Type-C, RS232, RS485 COM ports: RS232, RS485
	Protocol	RS232/RS485 supports MODBUS, free port and common PLC communication protocol					
Calendar	Yes						
Input Voltage	12-24VDC±10%<150mA @ 24VDC						
Consumption	42mA/24V	72mA/24V	85mA/24V	107mA/24V	145mA/24V	400mA/24V	
Protection Class	IP65 (front panel)						
Temperature	Ambient environment: 0 ~ 50°C   Storage environment: -20 ~ 70°C						
Humidity	20% ~ 90% RH						
Certification	CE						/
Software	<a href="#">CoolMay mView HMI programming software</a> Detailed info. refer to <a href="#">Coolmay TK Series HMI Programming Manual</a> <a href="#">CoolMay TK HMI User Manual</a>						

## Optional options

<b>Model</b>	<b>WIFI (occupy default RS485 port)</b>	<b>Ferroelectric (store data)</b>
TK6037FH	/	Yes
TK6043FH	Yes	Yes
TK6050FH	Yes	Yes
TK6070FH	Yes	Yes
TK6100FH	Yes	Yes
TK6150FH	Yes	Yes

## VI. MT HMI

Model		MT6037H	MT6043HQ	MT6050H	MT6070H	MT6100HA	MT6150HA	
Image	Front							
	Rear							
Specs	Dimension	88*88*25mm	134*102*34mm	146*88*25mm	212*148*40mm	275*194*36mm	365*290*36mm	
	Cutout size	72*72mm	120*94mm	137*72mm	194*138mm	262*180mm	352*279mm	
	Display size	73*56mm	97*56mm	108*65mm	154*87mm	222*125mm	304*228mm	
	Weight(kg)	0.3 kg	0.33 kg	0.33 kg	0.54 kg	0.7 kg	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 <sup>2</sup>					450cd/m <sup>2</sup>	
	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	1x USB 2.0 (can be connected to external USB flash drive, mouse, etc.)						
	Download port	Mini type B	Type C	Mini type B	Type B			
	COM port	1x RS232 and 1x RS485						
Protocol	Support MODBUS, free port and common PLC communication protocol							
Calendar	Yes							
Input Voltage	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	<a href="#">CoolMay HMI programming software</a> Detailed info. refer to <a href="#">CoolMay HMI user manual</a> , <a href="#">CoolMay HMI programming manual</a>							

## Optional functions


<b>Model</b>	<b>Ethernet</b>	<b>Audio</b>
MT6037H	Yes	Yes
MT6043HQ	Yes	Yes
MT6050H	Yes	Yes
MT6070H	Yes	Yes
MT6100HA	Yes	Yes
MT6150HA	Yes	Yes

## VII. Variable Frequency Drive

Model	CM540-0.75/1.5/4.0KW	CM540-5.5/7.5/11KW
Image		
Dimension L*W*Hmm	118*156*185	247*160*176
Weight	2.0kg	3.7kg
<b>Basic Function</b>		
Maximum frequency	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.	
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. The above models are all iron shells. For detailed dimensions, please contact us Detail info refer to: <a href="#">Coolmay CM540-Inverter user manual</a>		



## VIII. Power supply

Model	CM6024
Image	
Installation	Standard guide rail installation and can be installed on NS35/7.5 or NS35 guide slot
Dimension	90*60*32mm
Connection mode	5P-7.62 barrier terminal
Input voltage	88 ~ 264VAC or 125~373VDC
Input frequency	47 ~ 63HZ
Output voltage	DC24V
Output current	2.5A
Impulse current	30A/ 230VAC
Output accuracy	±1%
Output efficiency	86%
No-load consumption	< 0.5W
Defensive function	Short circuit/ over voltage/ overload protection
Manuals	<a href="#">Coolmay power supply user manual</a>

## IX. Customization

- MOQ 200pcs
- OEM
- ODM

## X. Contact us

More details, please contact us directly.



AliExpress QR code



Alibaba QR code

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