



宁波艾莫普直流电机动力有限公司
NINGBO EMP DC MOTOR DYNAMICS CO.,LTD.

REGENERATIVE BRAKING

No contactors required. No electromechanical components to overheat or wear out. ENABLE / BRAKE / DIRECTION TERMINALS
Choose a function by simply opening or closing a dry contact or through an open collector transistor.

STATUS LEDs

Power and Fault LEDs provide a visual status of the drive.

Forward and reverse can be set separately

Output current can be set

Braking current can be set

Torque compensation function

Standard analog control mode:

Analog:0-5V or potentiometer

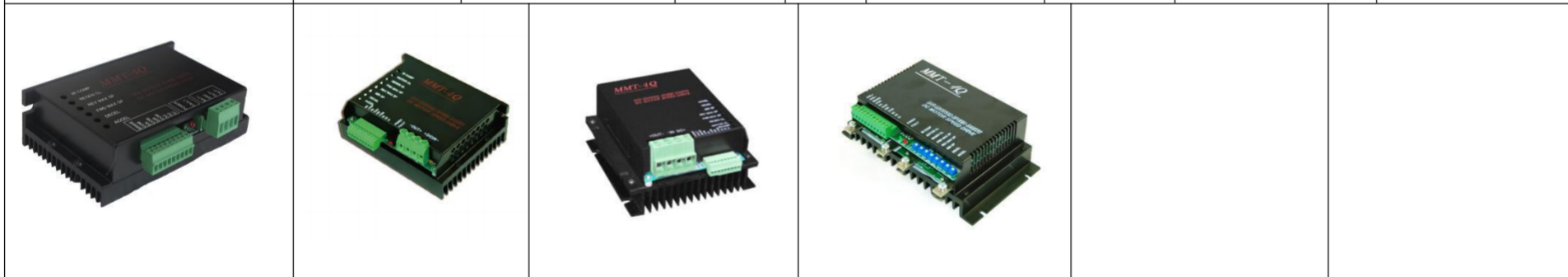
OVER TEMPERATURE PROTECTION

Drive will fold the output power back to prevent from overheating. Drive will fault if it still remains too hot.

Technical parameters:

- * Soft start time: 0.2—20S
- * Soft stop time: 0.2—20S
- * Analog control signal: 0—5V (wired to earth ground)
- * Signal input impedance $\geq 200K$
- * Speed accuracy: 1%
- * Speed adjustable range: 100:1
- * Speed Ratio: 1:80
- * Ambient temperature: 0°C- 50°C
- * Relative Humidity: Below dew point

4Q REGENERATIVE BRAKING DC MOTOR CONTROLLER

Model	Input Volt	Output Volt	Rated Amp	Max Amp	Control Mode	Reversing	Weight Dimension	Sample Price (EX Work)
DC12/24/36/48RT15BL	12/24/36/48V DC	12/24/36/48VDC	8A	15A	Potentiometer 0-5V	YES	0.38KG 127*34*75mm	
DC12/24/36/48RT30BL	12/24/36/48V DC	12/24/36/48VDC	15A	30A	Potentiometer 0-5V	YES	0.9KG 127*97*48mm	
DC12/24/36/48RT50BL	12/24/36/48V DC	12/24/36/48VDC	30A	50A	Potentiometer 0-5V	YES	0.9KG 135*135*70mm	
DC12/24/36/48RT100BL	12/24/36/48V DC	12/24/36/48VDC	70A	100A	Potentiometer 0-5V	YES	1.5KG 210*115*50mm	
								



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24V - 48V DC MOTOR CONTROLLER

Small size.

Wide voltage input.

Multiple control modes: Potentiometer, analog control, pulse-width control

Independent forward & backward control.

Independent forward & backward limit

Brake control.

Maximum current limit.

Protections started under abnormal conditions: Over-current, over-heat, over-voltage, under-voltage, short circuit, etc.

LED fault alarm status indicator, fault alarm output.

Performance index:

1. Supply voltage: 10—55VDC.
2. Continue working current: 25A
3. High instant current: 50A-5S.
4. Working frequency: 2KHZ.
5. Out+5VDC Power supply (can be supplied to potentiometer): 5V DC 20mA
6. Input range of analog quantity: 0-- 5VDC
7. Soft starting time: 0-5S
8. Soft stopping time: 0-5S
9. Pulse input frequency: 250Hz
10. Input range of duty ratio: 20%-- 100%
11. Digital quantity output interface: Maximum load capacity is 50v 1A.
12. Temperature protection status: stops output at 80℃
13. Operating temperature: -40℃-- +60℃
14. Environment humidity: relative humidity≤80RH

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DC24/48RT10BL	24-48VDC	24-48VDC	5A	10A	Potentiometer	YES	0.1KG 75*75*15mm	
DC24/20BL-4Q02	24-48VDC	24-48VDC	10A	20A	Potentiometer 0-10V	YES	0.25KG 112*76*33mm	
DC12/48RT50BL-XW	24-48VDC	24-48VDC	12.5A	25A	Potentiometer PWM signal	YES	0.3KG 127* 85* 49mm	
DC12/48RT100BL-XW	24-48VDC	24-48VDC	25A	50A	Potentiometer PWM signal	YES	0.9KG 210 * 115 * 63mm	
								