

INDUSTRIAL DIN-RAIL POWER SUPPLIES



Compact Plastic Case



Starting from
\$29



30W and 50W Models

- Compact size, high efficiency and DIN rail mounting
- 60°C rated provides full power/no derating required
- 100-240VAC wide-range auto-selection input
- Overcurrent, shortcircuit, and overvoltage protection
- DC OK LED status indicator
- Parallel operation capable
- Power boost available for large load start demand
- **5 year warranty**

Rugged Metal Case



Starting from
\$59



60W to 480W Models

- Rugged metal case
- DIN rail mounting
- 60°C rated provides full power/no derating required
- 100-240VAC wide-range auto-selection input
- Overcurrent, shortcircuit, and overvoltage protection
- DC OK LED status indicator
- Parallel operation capable
- Power boost available for large load start demand
- **5 year warranty**

Part Number	Output Power	Output Voltage	Voltage Adj. Range	Output Current	Peak Current	Price
Plastic Case Power Supplies						
MD-30-5-1*	30W	5 VDC	4.5-5.5V	4A	5A	\$31
MD-30-12-1*	30W	12 VDC	10 - 16V	2.5A	3A	\$31
MD-30-15-1*	30W	15 VDC	14-18V	2A	2.5A	\$36
MD-30-24-1*	30W	24 VDC	22 - 28V	1.25A	1.5A	\$29
MD-50-12-1	45W	12 VDC	10 - 16V	4.2A	5.25A	\$42
MD-50-24-1	45W	24 VDC	22 - 28V	2.1A	2.6A	\$39
Metal Case Power Supplies						
MD-60-12-1*	54W	12 VDC	10 - 16V	4.5A	5.4A	\$59
MD-60-24-1*	60W	24 VDC	22 - 28V	2.5A	3A	\$59
MD-60-48-1*	60W	48 VDC	46 - 52V	1.3A	1.5A	\$67
MD-120-12-1*	120W	12 VDC	10 - 16V	8A	9.6A	\$99
MD-120-24-1*	120W	24 VDC	22 - 28V	5A	6A	\$99
MD-120-48-1*	120W	48 VDC	46 - 52V	2.5A	3A	\$109
MD-240-12-1*	180W	12 VDC	10 - 16V	15A	18A	\$139
MD-240-24-1*	240W	24 VDC	22 - 28V	10A	12A	\$139
MD-240-48-1*	240W	48 VDC	46 - 52V	5A	6A	\$149
MD-480-24-1	480W	24 VDC	22 - 28V	20A	24A	\$289
MD-480-36-1	480W	36 VDC	34 - 40V	13A	16A	\$329
MD-480-48-1	480W	48 VDC	46 - 52V	10A	12A	\$329
Accessories						
MD-PDMA	Redundancy Diode Module for fail-safe power requirements, use with two Micron units with matching outputs; suitable for 480W units and below.					\$100
MD-VSB240-24-1	Voltage Sag Buffer, 700ms backup @ 10A					\$386
MD-LAB-DINBRKTA	Lead Acid Battery for Voltage Sag Buffer with Bracket Assembly, battery pack extends hold-up time to 12 min/2 hr (10A / 3.4AH/20hrs)					\$158

*UL approved for Class 1, Div 2

Diode Module for Redundant Power Supply Configuration

The Redundancy Diode Module is used in conjunction with two identical 24VDC DInergy™ power supplies, purchased separately. Sized and installed properly, each power supply will provide half the current required by the application unless one power supply fails. If one unit fails, the other power supply automatically provides 100% of the power required and alerts the operator with LED indication.

- 24VDC output, 20 Amps max
- DIN rail mounting
- Diode Module prevents back-feeding and looping



MD-PDMA between matched power supplies

DC-Sag-UPS Module

The Sag-UPS Module is designed to maintain 24VDC for critical control systems. Helps systems endure voltage sags or execute an orderly shutdown.

- DIN rail mounting
- Ultra capacitors provide 700ms backup at 10A
- Optional battery pack extends backup to 12 min at 10A
- LED indicator during charging phase
- UL/C-UL, EN 50081-2, EN 61000-6-2

General Specifications

Model	MD-30-xx-1	MD-50-xx-1	MD-60-xx-1	MD-120-xx-1	MD-240-xx-1	MD-480-xx-1
Input	Voltage Range					
	85-264VAC					
	Frequency Range					
47-63Hz						
Protection	Inrush current					
	Typ. <25A	Typ. <25A	Typ. <25A	Typ. <15A	Typ. <15A	Typ. <30A
	Overload					
125-135% rated output current, auto-recovery after fault condition removed						
Over voltage						
110-130% rated output voltage, shuts down output voltage, auto-recovery after fault condition removed						
Short-circuit						
Automatic recovery						
Environment	Operating Temperature					
	14°F to 158°F (-10°C to 70°C)					
Humidity						
5 to 95% RH (non-condensing)						
Safety Standards						
UL508, UL60950 and IEC60950						
Other	Isolation					
	3000V AC isolation between input and output					
	MTBF					
>200K hrs.						
Dimensions (WxHxD)						
0.46x3.54x3.78 in	0.90x3.54x3.78 in	1.97x4.88x4.13 in	2.56x4.88x4.13 in	3.43x5.12x4.88 in	6.14x5.12x4.96 in	

FREE Ground Shipping!*
for online orders over \$500

