

# 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**

## 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					
	Inrush current	Typ. <25A	Typ. <25A	Typ. <25A	Typ. <15A	Typ. <15A	Typ. <30A
Protection	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

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

## 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 voltage levels for critical control systems. It gives the system the ability to endure a voltage sag 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

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

