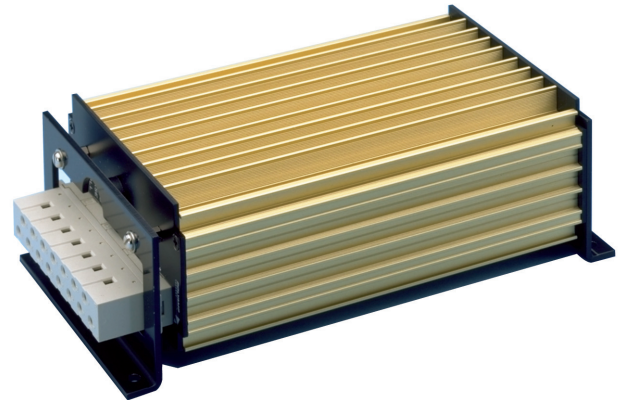


# PM50

32-50 WATTS DC/DC SINGLE-DUAL

## Features

- Very wide input voltage range
- Reverse input voltage protection
- Din rail mounting
- High efficiency
- EMI/RFI EN55022-B
- Low ripple outputs
- Operating temperature -25 to 55°C



## Specifications

### INPUT

Input voltage	12V, 24V, 36V, 48V, 110V, 220V See table for details
Reverse polarity protection	Yes

### OUTPUT SPECIFICATIONS

Output voltage	See table
Voltage adjustment	60V ±10%; 24V ±10%; 15V, (12-16V)
Output current	See table
Ripple & noise	<2mV rms
Load regulation	0.2%
Line regulation	0.2%
Temperature coefficient	0.02% per °C
Overcurrent protection	Yes
Transient response	3mS typical, 10%–90% load step

### OPERATING

Efficiency	78%–85%
Switching frequency	45kHz
Safety isolation	For 10-30V, 20-60V inputs and below: Input – Output: 2000VDC Input-Case: 2000VDC Output – Case: 1000VDC For 60V input and above: Input – Output: 2500VAC Input-Case: 2500VDC Output – Case: 1000VDC

### ENVIRONMENTAL

Operating temperature	-25°C to 55°C 100% load
Storage temperature	-40°C to 85°C
Can be used in non-condensing tropic	Yes

### STANDARDS AND APPROVALS

Safety standards	IEC60950, EN/IEC61204-3
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMC standards	EN/IEC61000-4-4 4KV EN/IEC61000-4-5 Level 2 and 3
EMI standards	EN55011/EN55023 Level B

### MECHANICAL SPECIFICATIONS

Dimensions	157x106x48mm
Weight	0.65kg

## Selection Table

MODEL NUMBER	INPUT	OUTPUT	POWER
PM50A 15-15	10-30V	12V 2.67A	32W
PM50A 15-15	10-30V	15V 2.67A	40W
PM50A 18-18	10-30V	18V 2.60A	47W
PM50A 15-15	10-30V	24V 1.34A	32W
PM50A 15-15	10-30V	28V 1.34A	37W
PM50A 18-18	10-30V	36V 1.30A	47W
PM50A 60-60	10-30V	60V 0.67A	40W
PM50A 60-60	10-30V	110V 0.34A	37W
PM50B 15-15	20-60V	12V 3.34A	40W
PM50B 15-15	20-60V	15V 3.34A	50W
PM50B 18-18	20-60V	18V 3.20A	57W
PM50B 15-15	20-60V	24V 1.67A	40W
PM50B 15-15	20-60V	28V 1.67A	47W
PM50B 18-18	20-60V	36V 1.60A	57W
PM50B 60-60	20-60V	60V 0.84A	50W
PM50B 60-60	20-60V	110V 0.42A	46W
PM50C 15-15	50-150V	12V 3.34A	40W
PM50C 15-15	50-150V	15V 3.34A	50W
PM50C 18-18	50-150V	18V 2.78A	50W
PM50C 15-15	50-150V	24V 1.67A	40W
PM50C 15-15	50-150V	28V 1.67A	47W
PM50C 18-18	50-150V	36V 1.39A	50W
PM50C 60-60	50-150V	60V 0.84A	50W
PM50C 60-60	50-150V	110V 0.42A	46W
PM50D 15-15	90-270V	12V 3.34A	40W
PM50D 15-15	90-270V	15V 3.34A	50W
PM50D 15-15	90-270V	24V 1.67A	40W
PM50D 15-15	90-270V	28V 1.67A	47W
PM50D 60-60	90-270V	60V 0.84A	50W
PM50D 60-60	90-270V	110V 0.42A	46W

Models consists of 2 isolated outputs 12V, 15V and 60V for connection in series or parallel.

**Note:** For dual output models, please consult Powerbox for model number and details.