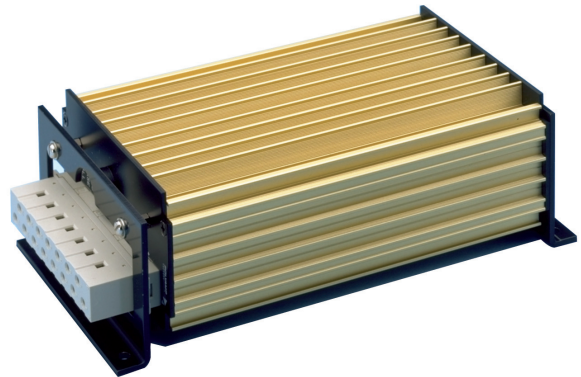


PM50

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 \pm 10%; 24V \pm 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 Yes
non-condensing tropic

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.