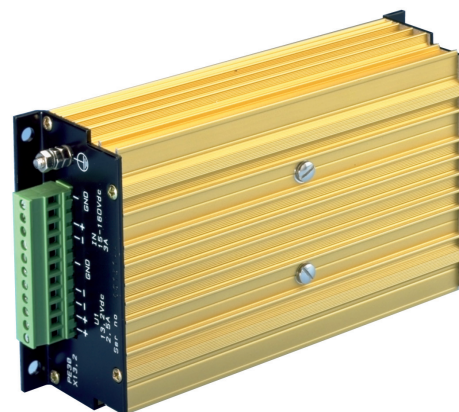


PM80

60-80 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 output
- Operating temperature -25 to +55°C



Specifications

INPUT

Input voltage	12V, 24V, 36V, 48V, 110V, 220V See table for details
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Reverse polarity protection	Yes
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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 24V, 48V 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/EN55022 Level B

MECHANICAL SPECIFICATIONS

Dimensions	157x106x48mm
Weight	0.65kg

Selection Table

MODEL NUMBER	INPUT	OUTPUT1		OUTPUT2		POWER
PM80 24/24-24	18-32V	24V	2.50A			60W
PM80 24/36-36	18-32V	36V	1.68A			60W
PM80 24/24-48	18-32V	48V	1.25A			60W
PM80 24/36-72	18-32V	72V	0.84A			60W
PM80 48/24-24	40-60V	24V	3.34A			80W
PM80 48/36-36	40-60V	36V	2.24A			80W
PM80 48/24-48	40-60V	48V	1.67A			80W
PM80 48/36-72	40-60V	72V	1.12A			80W
PM80 110/24-24	88-150V	24V	3.34A			80W
PM80 110/36-36	88-150V	36V	2.24A			80W
PM80 110/24-48	88-150V	48V	1.67A			80W
PM80 110/36-72	88-150V	72V	1.12A			80W
PM80 220/24-24	175-300V	24V	3.34A			80W
PM80 220/36-36	175-300V	36V	2.24A			80W
PM80 220/24-48	175-300V	48V	1.67A			80W
PM80 220/36-72	175-300V	72V	1.12A			80W
PM80 24/24-24	18-32V	24V	1.25A	24V	1.25A	80W
PM80 24/36-36	18-32V	36V	0.84A	36V	0.84A	80W
PM80 48/24-24	40-60V	24V	1.67A	24V	1.67A	80W
PM80 48/36-36	40-60V	36V	1.12A	36V	1.12A	80W
PM80 110/24-24	88-150V	24V	1.67A	24V	1.67A	80W
PM80 110/36-36	88-150V	36V	1.12A	36V	1.12A	80W
PM80 220/24-24	175-300V	24V	1.67A	24V	1.67A	80W
PM80 220/36-36	175-300V	36V	1.12A	36V	1.12A	80W

Models consists of 2 isolated outputs 24V and 36V for connection in series or parallel.

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