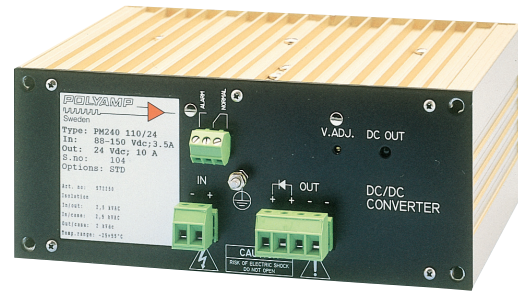


# PM150-PM240

120-240 WATTS DC/DC SINGLE

## Features

- Very wide input range
- Reverse input voltage protection
- High operating temperature
- EMI/RFI meets EN55022-B
- Safety IEC60950, EN60950
- Operating temperature -25 to +55°C



## Specifications

### INPUT

Input voltage	12V, 24V, 36V, 48V, 110V, 220V. See table
Input current	See table
Reverse polarity protection	Yes
Inrush current limit	Available as option. Add suffix "N" to model number
Soft start	Yes

### OUTPUT

Output voltage	See table
Voltage adjustment	-5% to +10%
Output current	See table
Ripple & noise	15–30mV pk-pk typical
Line regulation	0.1%
Load regulation	0.3%, 0%–100% load
Temperature coefficient	0.02% per °C
Overcurrent protection	Yes
Overvoltage protection	Yes
No load power	9W
Transient response	<1mS for 10/90% load step to within 3% of nominal

### OPERATING

Efficiency	PM150: 80%–88%, PM240: 88%–91%
Switching frequency	30kHz
Safety isolation	Input/Output/Case: 2.5kVAC
Alarm facilities	Contacts for undervoltage, overvoltage
Indicators	DC on LED
Series operation	Yes
Parallel operation	Yes
Series diode	Provided as standard on output

## ENVIRONMENTAL

Operating temperature	-25°C to 55°C
Storage temperature	-40°C to 85°C
Cooling	Convection

## STANDARDS AND APPROVALS

Safety standards	IEC60950, EN60950, EN/IEC61204-3
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMC standards	EN1000-6-1-2 EN/IEC61000-4-2 EN/IEC61000-4-3 EN/IEC61000-4-4 EN/IEC61000-4-5 EN/IEC61000-4-6
EMI standards	EN61000-6-3, EN61000-6-4, EN55011/EN55022 Level B

## MECHANICAL

Dimensions	PM150 & PM240: 88x214x160mm
Weight	2.5kg
Conformal coating	Available as option. Add suffix "I"
Mounting brackets	Please consult Powerbox for mounting options

# PM150-PM240

120-240 WATTS DC/DC SINGLE

## Selection Table

MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER	MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER	MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER
PM150A12	10-30V	12V 10A	120W	PM150C15	50-150V	15V 10A	150W	PM240 48/24	38-60V	24V 10A	240W
PM150A13.8	10-30V	13.8V 8.7A	120W	PM150C24	50-150V	24V 6.25A	150W	PM240 48/36	38-60V	36V 6.7A	240W
PM150A15	10-30V	15V 8A	120W	PM150C28	50-150V	28V 5.36A	150W	PM240 48/48	38-60V	48V 5A	240W
PM150A24	10-30V	24V 5A	120W	PM150C48	50-150V	48V 3.13A	150W	PM240 48/60	38-60V	60V 4A	240W
PM150A48	10-30V	48V 2.5A	120W	PM150D12	90-270V	12V 12.5A	150W	PM240 48/110	38-60V	110V 2.2A	240W
PM150B12	20-60V	12V 12.5A	150W	PM150D13.8	90-270V	13.8V 10.9A	150W	PM240 110/24	88-150V	24V 10A	240W
PM150B13.8	20-60V	13.8V 10.9A	150W	PM150D15	90-270V	15V 10A	150W	PM240 110/48	88-150V	48V 5A	240W
PM150B15	20-60V	15V 10A	150W	PM150D24	90-270V	24V 6.25A	150W	PM240 110/60	88-150V	60V 4A	240W
PM150B24	20-60V	24V 6.25A	150W	PM150D28	90-270V	28V 5.36A	150W	PM240 110/110	88-150V	110V 2.2A	240W
PM150B28	20-60V	28V 5.36A	150W	PM150D48	90-270V	48V 3.13A	150W	PM240 220/24	175-300V	24V 10A	240W
PM150B36	20-60V	36V 4.17A	150W	PM240 24/24	18-32V	24V 9A	216W	PM240 220/48	175-300V	48V 5A	240W
PM150B48	20-60V	48V 3.13A	150W	PM240 24/48	18-32V	48V 4.5A	216W	PM240 220/60	175-300V	60V 4A	240W
PM150C12	50-150V	12V 12.5A	150W	PM240 24/60	18-32V	60V 3.6A	216W	PM240 220/110	175-300V	110V 2.2A	240W
PM150C13.8	50-150V	13.8V 10.9A	150W	PM240 24/110	18-32V	110V 1.97A	216W				

## Technical Illustrations

### PM 150-PM240

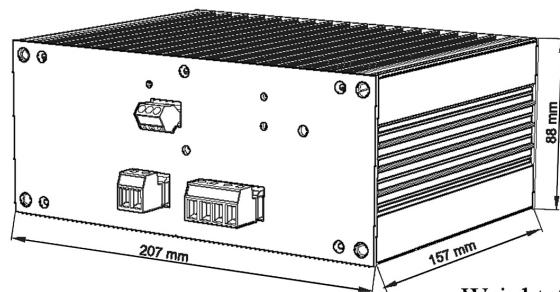
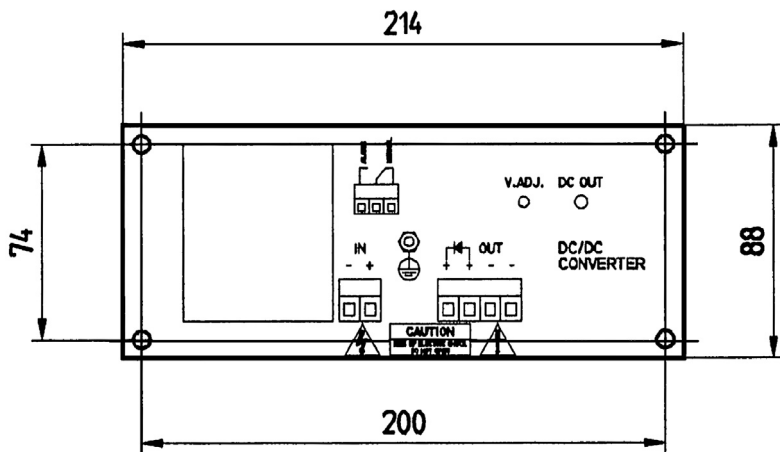


Figure 1.  
Dimensions

Weight: 2.5 l