

## Description

The Power-One PMP 7 rectifier module provides a cost-effective power solution in the highest possible density. Built on the latest advances in the resonance switch mode approach (soft-switching), the PMP 7 is the next evolution in our small convection cooled rectifier series.

Optimized for telecom applications, the module is designed to work in a multitude of different subrack/shelf configurations incorporating the Power-One PCU controller and various distribution options.



PPS 7 3500 System  
Shown

## Features

- 208/240 VAC input
- 24V, 48V, or 60V DC output
- Input overvoltage disconnection
- Thermal protection
- Active load sharing
- Hot-swappable
- Up to 92% efficient
- International standards compliance
- Natural convection cooling
- Low weight

# PMP 7

## Rectifier Module

### Input

Model	PMP 7.24	PMP 7.48	PMP 7.60
<b>Input Voltage</b>	205-250V AC $\pm$ 10% single phase, (44-66Hz) (-15% for PMP7.60) 185-160V at reduced output power		
<b>Current (max.)</b>	<3.55A	<4.35A	<4.35A
<b>Soft Start</b>	<11A peak max. 5ms	<15.5A peak max. 5ms	<20A peak max. 5ms
<b>Harmonics</b>	EN 61000-3-2 Power Factor >0.99 at max. load		
<b>Surge Immunity</b>	EN 61000-4-5		
<b>Fuse</b>	T 6,3A		
<b>Connection</b>	IEC-320/C14		
<b>EMC</b>	EN 61000-6-2, EN 61000-6-3, FCC Part 15 Class B		

### Output

Model	PMP 7.24	PMP 7.48	PMP 7.60
<b>Output Voltage</b>	22.5-28VDC	45-56VDC	56-70.5VDC
<b>Power (max.)</b>	560W	672W	635W
<b>Current (max.)</b>	20A	12A	9A
<b>Efficiency (at 40-90% load)*</b>	>89.5%	>92%	>92%
<b>Tolerance</b>	Vout +/- 1%		
<b>Transient Response</b>	+/- 5% at load variation 10-90% or 90-10%, recovery time 10ms		
<b>Load Sharing</b>	<5% of nominal current		
<b>Ripple</b>	<100mV p-p (BW. 30MHz)		
<b>Psophometric</b>	<2mV, according to CCITT norms		
<b>Connection</b>	DIN 41612F		
<b>EMC</b>	EN 61000-6-2, EN 61000-6-4		

\*Average performance for a single module.

### Mechanical

<b>Dimensions</b>	62 x 129 x 232mm (2.4 x 5.1 x 9.1in.)
<b>Weight</b>	1.65kg (3.6lbs.)
<b>Cooling</b>	Natural convection
<b>Insulation</b>	Reinforced insulation tested at: 4.25 kV DC primary-secondary, 2.12 kV DC primary-ground, 0.75 kV DC secondary ground
<b>Enclosure</b>	IP20
<b>Mounting</b>	In 19" subrack up to 5 modules

### Other Technical Data

<b>Safety</b>	EN 60950 UL 1950 and IEC60950 , Class 1 CSA C22-2 No. 950	
<b>Protection</b>	Short circuit proof, automatic current limiting, selective shutdown of modules at excessive output voltage. Thermal protection reduces the output power at environmental temperatures above maximum level. Shut down at >75°C with an automatic restart.* Input over-voltage disconnection at >275VAC with automatic reset at >260VAC.	
<b>Indications</b>	Green LED	Power ON
	Red LED	High output voltage/ shutdown
	Red LED	Low voltage/ module failure
<b>Audible Noise</b>	<35dBA	
<b>Operating Temperature*</b>	-25 to +55°C up to 2000m -25 to +45°C above 2000m	
<b>Storage Temperature</b>	-40 to +85°C	
<b>Radiated EMC</b>	EN 61000-6-2, EN 61000-6-3, FCC Part 15, Class B	
<b>Environment</b>	Storage: Transport: Operation:	ETS 300 019-2-1 ETS 300 019-2-2 ETS 300 019-2-3

Note: All specifications are subject to change without notification.