

Description

The Power-One PMP 11 rectifier module provides cost-effective power in a high density solution. Built on the latest advances in the resonance switch mode approach (soft-switching), the PMP 11 is the next evolution in our convection cooled rectifier series.

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



**PPS 10 6500 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 11

Rectifier Module

Input

Model	PMP 10.24A	PMP 11.48	PMP 11.60
Input Voltage	205-250V AC $\pm$ 10% single phase, (44-66Hz) 185-160V AC at reduced output power		
Current (max.)	<6.8A	<7.0A	<7.0A
Soft Start	<12A peak maximum 220ms		
Harmonics	EN 61000-3-2 Power Factor >0.99 at max. load		
Surge Immunity	EN 61000-4-5		
Fuse	T 8A		
Connection	IEC-320/C14		
EMC	EN 61000-6-2, EN 61000-6-3, FCC Part 15 Class B		

Output

Model	PMP 10.24A	PMP 11.48	PMP 11.60
Output Voltage	22-28V DC	44-56V DC	56-71V DC
Power (max.)	1000W (25-28V)	1100W (50-57.7V DC)	1100W (60-71V DC)
Current (max.)	43A	23A	18.5A
Efficiency (at 40-90% Load)*	>88%	>91%	>92%
Tolerance	Vout $\pm$ 1%		
Transient Response	$\pm$ 5% at load variation 10-90% or 90-10%, recovery time 10ms		
Load Sharing	<5% of nominal current		
Ripple	<100mV p-p (BW. 30MHz)		
Psophometric	<2mV, according to CCITT norms		
Connection	DIN 41612F		
EMC	EN 61000-6-2, EN 61000-6-4		

*Average performance for a single module.

Mechanical

Dimensions	62 x 261 x 231mm (2.4 x 10.3 x 9.1in.)
Weight	3.1kg (6.8lbs.)
Cooling	Natural convection
Insulation	Reinforced insulation tested at: 4.25 kV DC primary-secondary, 2.12 kV DC primary-ground, 0.75 kV DC secondary ground
Enclosure	IP20
Mounting	Up to 8 modules per shelf

Other Technical Data

Safety	EN 60950 UL 1950 and IEC60950 , Class 1 CSA C22-2 No. 950	
Protection	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. Thermal protection with shut down at >55°C. Automatic restart.* Input over-voltage disconnection at >275VAC with automatic reset at >260VAC.	
Indications	Green LED Red LED Red LED	Power ON High output voltage/ shutdown Low voltage/ module failure
Audible Noise	<35dBA	
Operating Temperature*	-25 to +55°C up to 2000m -25 to +45°C above 2000m	
Storage Temperature	-40 to +85°C	
Radiated EMC	EN 61000-6-2, EN 61000-6-3, FCC Part 15, Class B	
Environment	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.