

# 19" Rack Power 1000~24000W Distributed Power



## Features

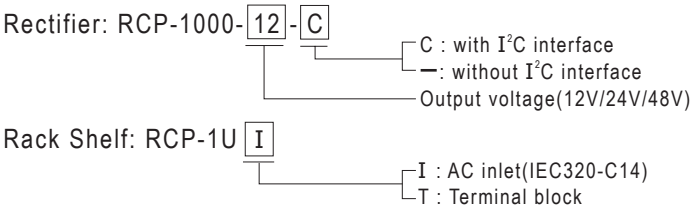
- Universal AC input / Full range
- Withstand 300VAC surge for 5 seconds (RCP-1600)
- Built-in active PFC function
- Built-in auxiliary power
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- High power density up to 25W/inch<sup>3</sup> (RCP-1600)
- 1U low profile (41mm height)
- Output voltage programmable;
- Constant current level I<sub>cc</sub> programmable (RCP-1600)
- Active current sharing up to 3 units (RCP-1000) or 5 units (RCP-1600) in one 19" rack, 3 racks max. can be operated in parallel (up to 8 units for RCP-1000 or 15 units for RCP-1600)
- Built-in remote ON/OFF control
- Built-in remote sense function
- AC OK (RCP-1000) and DC OK signal output
- Internal OR-ing diode (RCP-1000) or OR-ing FET (RCP-1600), hot-swap operation
- Optional I<sup>2</sup>C serial data bus (RCP-1000); Built-in PMBus serial communication (RCP-1600)
- 5 years warranty

## General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

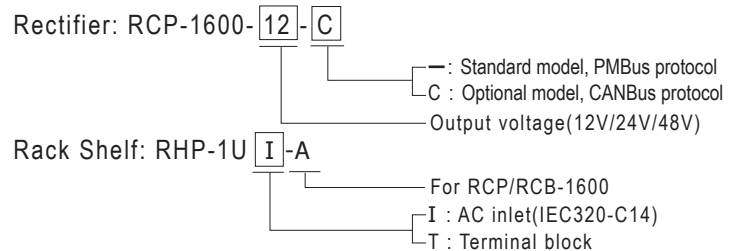


Order No.	RCP-1000	RCP-1600
AC input voltage range	90~264VAC, 127~370VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 35A at 230VAC
DC adjustment range	V <sub>o</sub> : ±3% by potentiometer, or to 90%~110% of rated output voltage by external resistor	V <sub>o</sub> : -1%~+22.5% by potentiometer, or to 40%~125% of rated output voltage by 1~5VDC external control signal I <sub>cc</sub> : to 20%~100% of rated output current by 1~5VDC external control signal
Overload protection (OLP)	105%~125% constant current limiting, auto-recovery	105%~115% constant current limiting, shut down o/p voltage after 5 sec., re-power on to recover
Over voltage protection	110%~135% shut down o/p voltage, re-power on to recover	130%~155% shut down o/p voltage, re-power on to recover
Withstand voltage	I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-F/G: 0.7kVDC	I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-F/G: 1.5kVAC
Working temperature	-20~+60°C (refer to output derating curve)	-30~+70°C (refer to output derating curve)
Safety standards	UL60950-1, TUV EN60950-1 approved	
EMC standards	EN55022 class B (Radiation class A for RCP-1600), EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 heavy industry level	
Connection	Postronic PCB24W9M400A1	Postronic PCIM34W13M400A1
Dimension(LxWxH)	295x 127x 41mm (483.6x 350.8x 44mm for RCP-1U)	300x 85x 41mm (440x 365x 44mm for RHP-1U)
Case No.	952A (959A for RCP-1U)	237A (242A for RHP-1U)
Packing	1.93kg (RCP-1000, single unit); 3.9kg (RCP-1U, single empty rack)	1.87kg (RCP-1600, single unit); 5.5kg (RHP-1U, single empty rack)

## Order Information for RCP-1000 and RCP-1U



## Order Information for RCP-1600 and RHP-1U



## Rectifier — 1000W

Model No.	Output	Tol.	R&N	Effi.
RCP-1000-12	12V, 0~60A	±1%	150mV	81.0%
RCP-1000-24	24V, 0~40A	±1%	200mV	87.0%
RCP-1000-48	48V, 0~21A	±1%	300mV	89.0%

## Rectifier — 1600W

Model No.	Output	Tol.	R&N	Effi.
RCP-1600-12	12V, 0~125A	±1%	150mV	87.0%
RCP-1600-24	24V, 0~67A	±1%	200mV	90.5%
RCP-1600-48	48V, 0~33.5A	±1%	300mV	93.0%