

- 1U x 19" Rack Housing Units
- Universal AC Input With PFC
- Up to 3000 Watts in 1U
- Up to 9000 Watts in 3U
- Hot Swap Power Modules
- 12, 13.6, 24, 27.2, 48, 54.4 Volt Output
- Full Control & Status Signals
- For Bulk Power / Redundancy



**Description :** Fully flexible hot swap modular rack mounting unit to give bulk power or redundant power system. From 720 to 3000 Watts in 1U tray or up to 9000 Watts in 3 Tray stack with power sharing. Fully self contained power modules with full independent control and separate mains feed. Full analogue signals (I<sup>2</sup>C interface option on rack). True hot swap and power share of modules.

**Specification (Rack and Individual Power Modules)**

Input Voltage..... 90~264 VAC (127~370 VDC), 47~63 Hz  
 Power Factor..... >0.96 typical (EN61000-3-2, 3)  
 Output Voltage..... See table below (factory set)  
 Output Power (max per module).....720W (12 / 13.6V module), 960W (24 / 27.2V module),  
 1008W (48 / 54.4V Module)  
 Output Power (max per 1U rack).....2160W (12V modules), 2880W (24V modules), 3024W (48V modules)  
 Over Load Protection..... Constant current limiting  
 Over Voltage Protection..... 12V(13.2~16.2V), 24V(26.4~32.4V), 48V(52.8~62.8V)  
 Hold Up Time..... 16 ms @ 230VAC input, full load (typical)  
 Efficiency..... 81-89% dependent on output voltage  
 Operating Temperature..... -20 °C to +60 °C (full power to 50° C, derate to 60% @ 60 °C)  
 Storage Temperature..... -40~85 °C  
 Isolation..... I/P-O/P: 3 kVAC, I/P-F/G: 1.5 kVAC, O/P-F/G: 0.7 kVAC  
 Humidity..... 20~95% relative humidity, non condensing  
 EMC..... EN55022 (CISPR 22) Class B, EN61000-4-2, 3, 4, 5, 6, 8, 11  
 EN61000-3-2,3 ENV50204,  
 EN61000-6-2 (EN50082-2) Heavy Industry Level, Criteria A  
 MTBF (Power Module)..... 43.4 kWhrs (MIL-HDBK-217F) @ 25 °C  
 Safety Approvals..... UL60950-1, TUV EN60950-1  
 Control & Monitoring..... Full analogue & I2C interface option  
 Dimensions (Power module).....295(L) x 127(W) x 41(H) mm  
 Dimensions (rack housing)..... 440 (484 with rack mounting ears) (W) x 351(D) x 44(H) mm

**Output Versions**

Power Module	Input Voltage	Output Voltage	Output Power	1U Full Rack Power
RCP-1000-12	90~264 VAC	12 V	720 Watts	2160 Watts
RCP-1000-13.5		13.6 V		
RCP-1000-24		24 V		
RCP-1000-27		27.2 V	960 Watts	2880 Watts
RCP-1000-48		48 V		
RCP-1000-54		54.4 V		
<b>Rack Housings</b>	Suitable for 1-3 power modules. Rack housings can be stacked up to 3 units high). A maximum of 9 power modules can be paralleled			
RCP-1U-I	3 x IEC 320 inlets (1 per power module). Single pair of output studs			
RCP-1U-T	3 x input screw terminals (1 pair per power module). Single pair of output studs			

For full specification and mechanical drawing, please contact ALL PSU sales office. Specifications can change without notice, E&OE. ALL PSU Terms & Conditions apply.

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