

- 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 (I²C 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	960 Watts	2880 Watts
RCP-1000-27		27.2 V		
RCP-1000-48		48 V	1000 Watts	3000 Watts
RCP-1000-54		54.4 V		
Rack Housings	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.

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
 Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
 Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk