

- 1U x 19" Rack Housing Units
- Universal AC Input With PFC
- Up to 6000 Watts in 1U
- Up to 18,000 Watts in 3U
- Hot Swap Power Modules
- 12, 24 or 48 Volt Output Options
- Full Control & Status Signals
- For Bulk Power / Redundancy



Description : Fully flexible hot swap modular rack mounting unit for bulk power or a redundant power system. From 1200 to 6000 Watts in 1U tray or up to 18,000 Watts in 3 Tray stack with power sharing. Fully self contained power modules with full independent control and separate mains feed. Full analogue signals (plus option of PMBus Communication Protocol). True hot swap and power share of power modules.

Specification (Rack and Individual Power Modules)

Input Voltage..... 90~264 VAC (127~370 VDC), 47~63 Hz
 Output Voltage..... See table below (factory set)
 Output Power (max per module).....1200W (12V module), 1920W (24V module), 2016W (48V Module).
 Output Power (max per 1U rack).....3600W (12V modules), 5760W (24V modules), 6048W (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, 75% Load (typical)
 Efficiency..... 86-92% dependent on output voltage
 Operating Temperature..... -40 °C to +70 °C (full power to 50° C, derate to 50% @ 70 °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..... 20~90% relative humidity, non condensing
 EMC..... EN55022 (CISPR 22)Conduction Class B, Radiation Class A
 EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-3-2,3
 EN61000-6-2 (EN50082-2) Heavy Industry Level, Criteria A
 MTBF (Power Module)..... 60.1 kWhrs (MIL-HDBK-217F) @ 25 °C
 Safety Approvals..... UL60950-1, TUV EN60950-1
 Control & Monitoring..... Full analogue & PMBus Serial Communication
 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-2000-12	90~264 VAC	12 V	1200 Watts	3600 Watts
RCP-2000-24		24 V	1920 Watts	5760 Watts
RCP-2000-48		48 V	2016 Watts	6048 Watts
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			
RKP-1U-I	3 x IEC 320 inlets (1 per power module). Single pair of output studs			
RKP-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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