



SUNPOWER TECHNOLOGY CORP.
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RAM-2803P2~2806P2

400+400W, AC Input

**Hot Swap Redundant Power Supply
for RAID**



RAM-2803, 2804
 183 x 154 x 210 mm
 7.2 x 6.06 x 8.27 inch

RAM-2805, 2806
 183 x 167 x 185 mm
 7.2 x 6.58 x 7.28 inch



Features:

- * Hot swap power module operation, easy to install, zero transfer time
- * Active power factor correction
- * Current sharing output
- * Remote control power on/off, remote sense for heavy load drop.
- * Power fail, fan fail alarm
- * Over voltage, over load & short circuit protection
- * Over temperature protection (optional).
- * Putting Or-ing diode inside module.
- * Support dual mother board system; Use DIN 41612 industrial connector
- * Built-in long life ball bearing fan
- * Meet Intel ATX 2.01 / 2.03 / ATX 12V
- * 2 years warranty

Specification:

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC.	
	Frequency	47 ~ 63 Hz	
	Current	<10A@100VAC. AC input single module full load condition.	
	Inrush Current	<60A@115V; <100A@230V. Single Module AC input full load condition. Cold start at 25°C ambient.	
	Leakage Current	<2mA @ 264V AC input	
	Power Factor	PF > 0.95	
OUTPUT	Voltage	5V	12V
	Min Load	6 A	2 A
	Max Load	85 A	20 A
	Output Tolerance ②	± 5%	± 5%
	Ripple Noise MAX. ③	70mV	120mV
	Efficiency (TYP.)	70%	
PROTECTION	Output MAX.	610W	
	Over Voltage	5.8V~7.0V	13.8V~16.8V
	Over Load & Short Circuit	Shutdown and latch off, recover after re-start up.	
ELEC. CHAR.	Over Temperature	When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off.	
	Alarm	Optional, Over 95°C ± 5°C Shutdown, recovers automatically after fault condition has been removed.	
ENVIRONMENT	Rise time	<20mS	
	Hold up time	>20mS@230V	
SAFETY	Temperature ④	Power fail alarm / Fan fail alarm	
	Humidity	Operating: -10~70°C; De-rating: 45°C~70°C : 2.5%/°C.; Storage: -20~+85°C.	
	Withstand voltage	Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH (non condensing)	
EMC	Isolation resistance	I/P-O/P:3KVAC, I/P-PE:1.5KVAC, 1minute	
	Safety standard	I/P-O/P, I/P-PE, > 100MΩ/500VDC at 25°C/ 70% RH	
EMC	EMI	UL 60950 3 rd , CSA C22.2 No.60950 3 rd , TUV EN 60950-1:2001+A11, IEC 60950, standard.	
	EMS	EN 55022 CLASS B, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.	
EMC	EMC	Compliance to EN61000-3-2 CLASS D, EN61000-3-3	
	Cooling	EN 55024 : EN 61000-4-2,3,4,5,6,8,11	
EMC	M.T.B.F.	Built-in DC ball-bearing fan in module.	
	PACKING	72 K hours.	
NOTE	①	N.W.: 7.5 KG / 1 SET / 0.98 CUFT / 1 CTN	
	②	① All measurements which not mentioned are based on 230VAC input, output max at ambient 25°C / 70%RH	
	③	② Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured between 20%-100% max load of each output.	
	④	③ Ripple & noise are measured at 100~254VAC input with 0~50°C condition and 20MHz of bandwidth by terminated with a 0.1uF & a 47uF parallel capacitor. ④ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.	

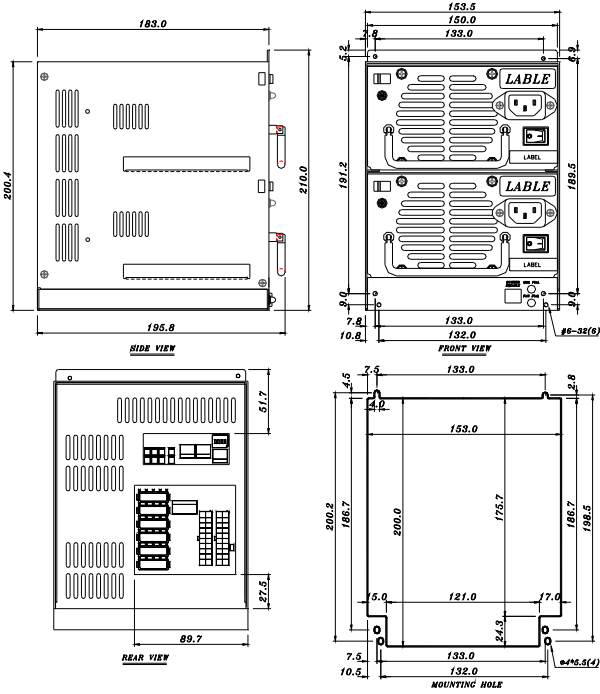


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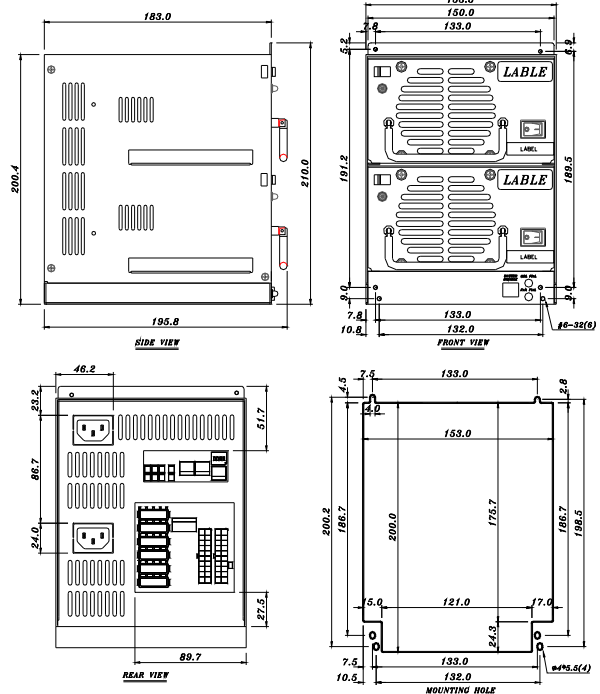
Dimension:

(Unit: mm)

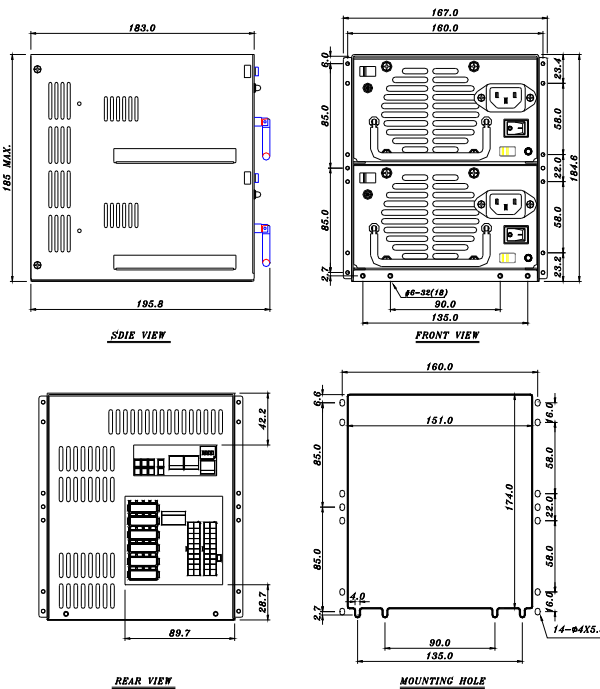
RAM-2803P



RAM-2804P



RAM-2805P



RAM-2806P

