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# RAM-2803~6 / RAM-2803P~6P

**400+400W**

*Hot Swap Redundant Power Supply*  
 for RAID, AT, ATX



W154 x D183 x H210mm  
 W6.06 x D7.20 x H8.27inch



## Features:

- \* Hot swap power module operation, easy to install, zero transfer time
- \* Active power factor correction (RAM-2803P ~ RAM-2806P)
- \* Current sharing output
- \* Power fail, fan fail alarm and TTL signal
- \* Remote control power on/off, remote sense for heavy load drop
- \* Over load, over voltage & short circuit protection
- \* Over temperature protection (optional)
- \* Or-in diode built inside module
- \* Support dual mother board system; Use DIN 41612 industrial connector
- \* Built-in long life ball bearing fan
- \* 100% 50°C burn-in test.
- \* Meet Intel ATX 2.01 / 2.03 / ATX 12V
- \* UL, cUL, TUV, CB certified (module).

## Specification:

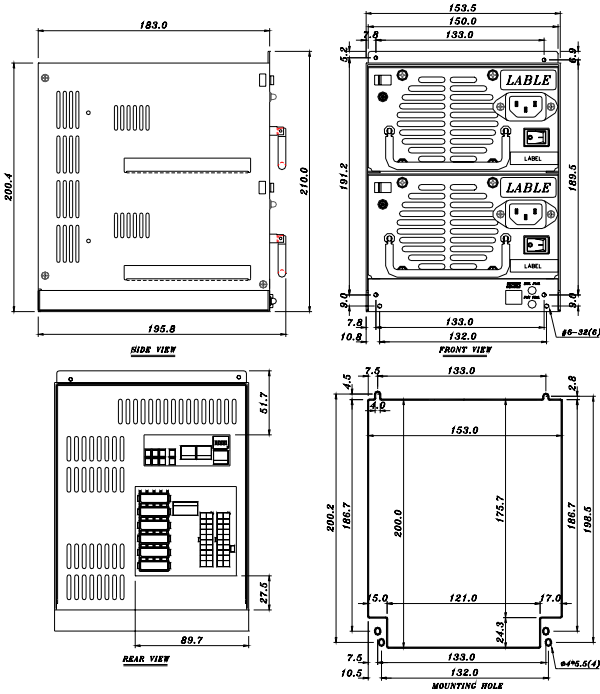
INPUT	Voltage	RAM-2803 ~ RAM-2806: AC input 90V ~ 132V, 180V~264V, auto sensing or switch selected RAM-2803P ~ RAM-2806P: AC input 90V ~ 264V, universal full range					
	Frequency	47 ~ 63 Hz					
	Current	RAM-2803 ~ RAM-2806: <10A@115V; <5A@230V. Single module AC input full load condition. RAM-2803P ~ RAM-2806P: <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	Meet IEC 1000-3-2 class D, P.F.>0.95 (RAM-2803P ~ RAM-2806P)					
OUTPUT	Voltage	<b>+3.3V</b>	<b>+5V</b>	<b>+12V</b>	<b>-5V</b>	<b>-12V</b>	<b>+5Vsb</b>
	Min. Load	0 A	6 A	2 A	0 A	0 A	0 A
	Max. Load	50 A	85 A	20 A	0.5 A	1A	2A
	Regulation	± 5%	± 5%	± 5%	± 3%	± 5%	± 3%
	Ripple Noise(max)	50mV	50mV	100mV	50mV	120mV	50mV
	Efficiency (typ)	63%					
	Max. Output	+3.3V & +5V: Single Module:<250W; Dual Module:<425W Total output: single module: <400W; dual module:<610W continuously					
PROTECTION	Over Voltage Protection	+3.8V~+4.6V	+5.8V~+7.0V	+13.8V~+17.5V	----	----	+5.8V~+7.0V
	Over voltage: power supply will shut down and latch.						
	Over Load Protection	Output over 105% ~ 150% of rated load, power supply will shut down and latch.					
	Over Temperature Protection	Shut down and latch when power supply's temperature reach 95°C (Optional)					
Short Circuit Protection							Shut down and latch.
OTHERS	Rise time	<20mS					
	Hold up time	>20mS@230V					
	TTL Signal	Power good signal (for 4 & 6 output models) / PS-ON signal: Hi for power supply off, low for power supply on. (for 6 output models)					
	Alarm	Power fail alarm / Fan fail alarm					
	Cooling	A 38CFM (min.) DC ball bearing Fan in each module					
Environment	Temperature	Operating: 0~70°C; de-rating: 45°C~70°C : 2%/°C. Storage: -10~+75°C					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	108K hours (for non PFC models)						
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 certified						
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.					
	EMS	EN 50082-1 (1997)					
Packing	N.W.: 7Kg / 1set; 1set / 0.98Cu ft <sup>3</sup> / 1Ctn;						



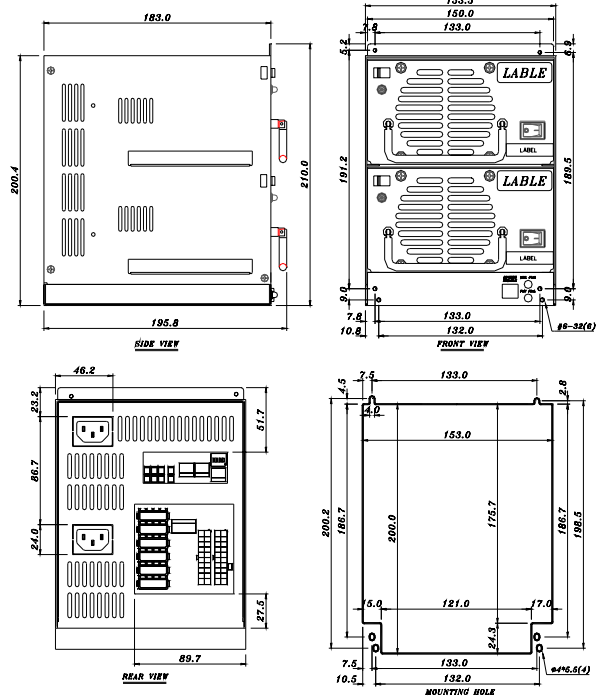
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**Dimension:**

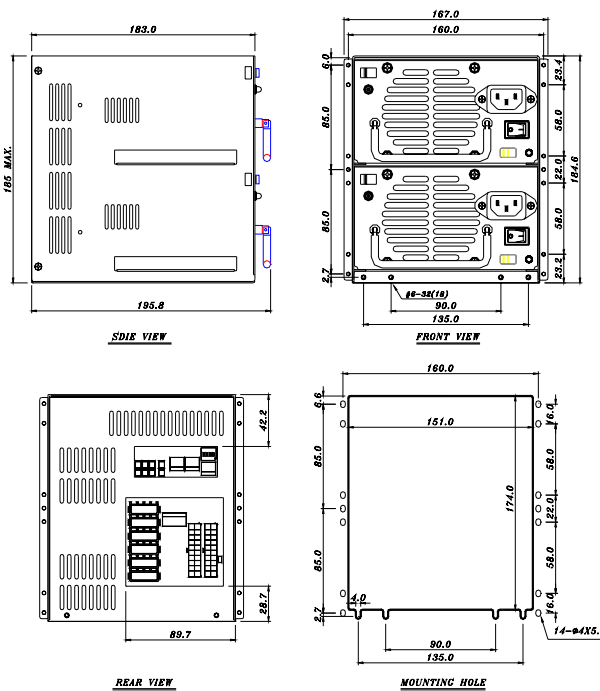
**RAM-2803 / RAM-2803P**



**RAM-2804 / RAM-2804P**



**RAM-2805 / RAM-2805P**



**RAM-2806 / RAM-2806P**

