



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
<http://www.sunpower.com.tw>
E-mail: sunpower@sunpower.com.tw

RAM-2808 Series

400+400W, AC Input
Hot Swap Redundant
for RAID, AT, ATX



W353 x D183 x H105 mm
W13.9 x D7.20 x H4.13 inch



Features:

- * AC input 90~132VAC, 180~264VAC, switch selected. (Auto sensing / universal input with active PFC optional).
- * Hot swap power module operation, easy to install, zero transfer time
- * Active current sharing output
- * Output remote sense for heavy load drop
- * Power fail, fan fail alarm and TTL signal
- * Remote control power on/off
- * 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, CE certified

Specification:

		V1	V2	V3	V4	V5	V6
OUTPUT	Voltage	+3.3V	+5V	+12V	-5V	-12V	+5Vsb
	Min. Load	0 A	6 A	2 A	0 A		
	Max. Load	50 A	85 A	20 A	0.5 A	1A	2A
	Regulation	± 5%			± 3%	± 5%	± 3%
	Ripple Noise(max)	50mV	50mV	100mV	50mV	120mV	50mV
	Efficiency (typ)	63%					
	Max Power	+3.3V&+5V: Single Module: <250W; Dual Module:<425W. Total output of dual module: 610W max continuously					
INPUT	Voltage	AC input 90 ~ 132VAC, 180~264VAC, auto sensing or switch selected					
	Frequency	AC in: 47 ~ 63 Hz					
	Current	<10A@115VAC, <5A@230VAC ; (<10A@100VAC for RAM-280xP), single module full load condition.					
	Inrush Current	RAM-280x: <60A@115VAC, <100A@230VAC full load condition. Cold start at 25°C ambient (Single Module)					
		RAM-280xP: <40A@115VAC, <80A@230VAC full load condition. Cold start at 25°C ambient (Single Module)					
PROTECTION	Power Factor	Meet IEC 1000-3-2 class D, P.F.>0.95 (optional)					
	Over Load Protection	Over 105% ~ 150% of rated load, shutdown					
	Over Voltage Protection	+3.8V~+4.6V	+5.8V~+7.0V	+13.8V~+17.5V	----	----	+5.8V~+7.0V
	Over Temperature Protection	Shutdown when power supply's temperature reach 95°C (Optional)					
	Short Circuit Protection	Shutdown.					
OTHERS	Rise time	<20mS					
	Hold up time	>20mS@230V					
	TTL Signal	Power good signal(for 4 & 6 output models); PS-ON signal (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; derating: 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 (84K hours for 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 ³ / 1Ctn;					

