



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- 1U low profile 30mm
- Optional conformal coating models (RSP-200-□CC)
- LED indicator for power on
- 3 years warranty

SPECIFICATION



MODEL		RSP-200-2.5	RSP-200-3.3	RSP-200-4	RSP-200-5	RSP-200-7.5	RSP-200-12		
	DC VOLTAGE	2.5V	3.3V	4V	5V	7.5V	12V		
	RATED CURRENT	40A	40A	40A	40A	26.7A	16.7A		
	CURRENT RANGE	0 ~ 40A	0 ~ 40A	0 ~ 40A	0 ~ 40A	0 ~ 26.7A	0 ~ 16.7A		
	RATED POWER	100W	132W	160W	200W	200.25W	200.4W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	2.35 ~ 2.85V	2.97 ~ 3.8V	3.7 ~ 4.3V	4.5 ~ 5.5V	6 ~ 9V	10 ~ 13.2V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.3%		
	LOAD REGULATION	±1.5%	±1.5%	±1.0%	±1.0%	±1.0%	±0.5%		
	SETUP, RISE TIME	1500ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load							
	HOLD UP TIME (Typ.)	8ms at full load 230VAC /115VAC							
	VOLTAGE RANGE Note.5	88 ~ 264VAC 124 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load							
NPUT	EFFICIENCY (Typ.)	81.5%	84%	85.5%	87%	89%	89%		
	AC CURRENT (Typ.)	2A/115VAC 1.1	1A/230VAC		3.5A/115VAC	1.7A/230VAC			
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC							
	LEAKAGE CURRENT	<1mA/240VAC							
	OVERLOAD	105 ~ 135% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
DDOTECTION	0.450.401.74.05	2.88 ~ 3.5V	3.8 ~ 4.62V	4.5 ~ 5.6V	5.75 ~ 7V	9.4 ~ 10.9V	13.8 ~ 16.2V		
PROTECTION	OVER VOLTAGE	Protection type : Sh	ut down o/p voltage	e, re-power on to red	cover				
	OVED TEMPEDATURE	120°C ±5°C,110°C ±5°C (7.5V,12V) (TSW1) detect on heatsink of power transistor							
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down							
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved							
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC							
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A							
	MTBF	K hrs min. MIL-HDBK-217F (25°C)							
OTHERS	DIMENSION	215*115*30mm (L*V	V*H)						
	PACKING	Kg							
NOTE	. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. . Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. . Tolerance: includes set up tolerance, line regulation and load regulation. . The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) . Derating may be needed under low input voltages. Please check the derating curve for more details.								



SPECIFICATION



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(R) . SN (A) = CB(€

90%

90%

58.4 ~ 68V

MODEL RSP-200-24 RSP-200-27 RSP-200-36 RSP-200-48 RSP-200-13.5 RSP-200-15 DC VOLTAGE 13.5V 15V 24V 27V 36V 48V RATED CURRENT 14.9A 13.4A 8.4A 7.5A 5.56A 4.2A **CURRENT RANGE** 0 ~ 14.9A 0 ~ 13.4A 0 ~ 8.4A 0 ~ 7.5A 0 ~ 5.56A 0 ~ 4.2A RATED POWER 201.15W 201W 201.6W 202.5W 200.16W 201.6W RIPPLE & NOISE (max.) Note.2 150mVp-p 150mVn-n 150mVn-n 200mVp-p 220mVn-n 240mVn-n

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	OUTPUT	VOLTAGE ADJ. RANGE	12 ~ 15V	13.5 ~ 18V	20 ~ 26.4V	26 ~ 31.5V	32.4 ~ 39.6V	41 ~ 56V
		VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
		LINE REGULATION	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	±0.2%
		LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
		SETUP. RISE TIME	1500ms, 50ms/230\	AC 3000ms, 50	ms/115VAC at full loa	d		

89.5%

89%

HOLD UP TIME (Typ.) 8ms at full load 230VAC /115VAC Note.5 88 ~ 264VAC **VOLTAGE RANGE** 124 ~ 370VDC

47 ~ 63Hz

POWER FACTOR (Typ.) PF>0.95/230VAC PF>0.98/115VAC at full load INPLIT 89% **EFFICIENCY (Typ.)** 89.5% 3 5A/115VAC 1 7A/230VAC

FREQUENCY RANGE

AC CURRENT (Typ.) 40A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC LEAKAGE CURRENT <1mA/240VAC

105 ~ 135% rated output power **OVERLOAD** Protection type: Hiccup mode, recovers automatically after fault condition is removed 15.7 ~ 18.4V 18.8 ~ 21.8V 27.6 ~ 32.4V 32.9 ~ 38.3V 41.4 ~ 48.6V PROTECTION OVER VOLTAGE Protection type: Shut down o/p voltage, re-power on to recover

 100° C $\pm 5^{\circ}$ C, 110° C $\pm 5^{\circ}$ C (13.5V, 15V) (TSW1) detect on heatsink of power transistor **OVER TEMPERATURE** Protection type: Shut down o/p voltage, recovers automatically after temperature goes down

WORKING TEMP. -30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing WORKING HUMIDITY

ENVIRONMENT STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0~45°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes

SAFETY STANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC

SAFETY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH **EMC** (Note 4) **EMC EMISSION** Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3

EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A MTBF K hrs min. MIL-HDBK-217F (25°C)

OTHERS DIMENSION 215*115*30mm (L*W*H) **PACKING** Kg

NOTE

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.

 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation.
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- 5. Derating may be needed under low input voltages. Please check the derating curve for more details.



