



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 90%
- 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



	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				
, ,						10 ~ 13.2V				
						±1.0%				
						±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									
	8ms at full load 230VAC /115VAC									
VOLTAGE RANGE Note.4										
POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load									
(• 1 /	79.5%	81.5%	84%	85.5%	89%	89%				
	2A/115VAC 1.1	1A/230VAC		2.5A/115VAC	1.3A/230VAC					
INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC									
LEAKAGE CURRENT										
OVERLOAD										
	,,		· · · · · · · · · · · · · · · · · · ·			13.8 ~ 16.2V				
OVER VOLTAGE		ut down o/p voltage.	re-power on to recov	er						
OVER TEMPERATURE										
WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")									
WORKING HUMIDITY	20 ~ 90% RH non-condensing									
STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH									
TEMP. COEFFICIENT										
VIBRATION										
SAFETY STANDARDS										
	1 11									
EMC EMISSION										
EMC IMMUNITY										
MTBF	•			, , , , , , , , , , , , , , , , , , , ,						
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Ripple & noise are measure Tolerance : includes set up Derating may be needed ur The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p For charging related applica	ed at 20MHz of bands tolerance, line regular nder low input voltage lered a component will atte with 1mm of thicks lease refer to "EMI te ations, please consult	width by using a 12" ation and load regula as. Please check the hich will be installed ness. The final equip esting of component Mean Well for detai	twisted pair-wire territion. derating curve for m into a final equipmen ment must be re-con power supplies." (as ls.	ninated with a 0.1uf ore details. t. All the EMC tests firmed that it still me available on http://w	& 47uf parallel capaci are been executed beets EMC directives. www.meanwell.com)	y mounting the unit of For guidance on how				
	RATED CURRENT CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.4 FREQUENCY RANGE POWER FACTOR (Typ.) EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT OVERLOAD OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Derating may be needed ur 5. The power supply is conside a 360mm*360mm metal pla perform these EMC tests, p 6. For charging related applics 6. For charging related a	RATED CURRENT 40A CURRENT RANGE 0 ~ 40A RATED POWER 100W RIPPLE & NOISE (max.) Note.2 100mVp-p VOLTAGE ADJ. RANGE 2.35 ~ 2.85V VOLTAGE TOLERANCE Note.3 ±2.0% LINE REGULATION ±0.5% LOAD REGULATION ±1.5% SETUP, RISE TIME 1500ms, 50ms/230V HOLD UP TIME (Typ.) 8ms at full load 23 VOLTAGE RANGE Note.4 88 ~ 264VAC 1 FREQUENCY RANGE 47 ~ 63Hz POWER FACTOR (Typ.) PF>0.95/230VAC EFFICIENCY (Typ.) 79.5% AC CURRENT (Typ.) 2A/115VAC 1. INRUSH CURRENT (Typ.) 20A/115VAC 4. LEAKAGE CURRENT 105 ~ 135% rated on Protection type: Hid 2.88 ~ 3.5V POVER VOLTAGE 2.88 ~ 3.5V Protection type: Sh OVER TEMPERATURE Shut down o/p voltare WORKING TEMP30 ~ +70°C (Refer 1.50°C) (Ref	RATED CURRENT	RATED CURRENT	RATED CURRENT 40A	RATED CURRENT 40A				





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SPECIFICATION



MODEL		RSP-200-13.5	RSP-200-15	RSP-200-24	RSP-200-27	RSP-200-36	RSP-200-48				
	DC VOLTAGE	13.5V	15V	24V	27V	36V	48V				
ОИТРИТ	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	150mVp-p	150mVp-p	200mVp-p	220mVp-p	240mVp-p				
	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/230VAC 3000ms, 50ms/115VAC at full load									
	HOLD UP TIME (Typ.)	8ms at full load 230VAC /115VAC									
INPUT	VOLTAGE RANGE Note.4	88 ~ 264VAC 124 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load									
	EFFICIENCY (Typ.)	89%	89.5%	89.5%	89%	90%	90%				
	AC CURRENT (Typ.)	2.5A/115VAC 1.3A/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									
PROTECTION	OVED VOLTACE	15.7 ~ 18.4V	18.8 ~ 21.8V	27.6 ~ 32.4V	32.9 ~ 38.3V	41.4 ~ 48.6V	58.4 ~ 68V				
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover									
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down									
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
	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, CCC GB4943 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 5)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3,GB9254 class B,GB17625.1									
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A									
OTHERS	MTBF	224.5K hrs min. N	MIL-HDBK-217F (25°C	C)							
	DIMENSION	215*115*30mm (L*W*H)									
	PACKING	0.72Kg; 15pcs/11.8K	g/0.78CUFT								
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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. 4. Derating may be needed under low input voltages. Please check the derating curve for more details. 5. 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) 6. For charging related applications, please consult Mean Well for details. 7. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-200-2.5/-3.3/-4/-5/-7.5/-12/-13.5/-15)										



