



■ 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
- Forced air cooling by built-in DC Fan with fan speed control function
- 1U low profile 30mm
- Optional conformal coating models (RSP-320-□CC)
- LED indicator for power on
- 3 years warranty

SPECIFICATION



MODEL		RSP-320-2.5	RSP-320-3.3	RSP-320-4	RSP-320-5	RSP-320-7.5	RSP-320-12			
	DC VOLTAGE	2.5V	3.3V	4V	5V	7.5V	12V			
ОИТРИТ	RATED CURRENT	60A	60A	60A	60A	40A	26.7A			
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 60A	0 ~ 60A	0 ~ 40A	0 ~ 26.7A			
	RATED POWER	150W	198W	240W	300W	300W	320.4W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p			
	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								
INPUT	VOLTAGE RANGE Note.4									
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230VAC								
	EFFICIENCY (Typ.)	75.5%	79.5%	81%	83%	88%	88%			
	AC CURRENT (Typ.)	2.7A/115VAC 1.5 A/230VAC 4A/115VAC 2A/230VAC								
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC								
	LEAKAGE CURRENT	<1mA/240VAC								
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed								
		2.88 ~ 3.38V	3.8 ~ 4.5V	4.5 ~ 5.3V	5.75 ~ 6.75V	9.4 ~ 10.9V	13.8 ~ 16.2V			
	OVER VOLTAGE					9.4 ~ 10.9 V	13.0 ~ 10.2 V			
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down								
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")								
	WORKING TEMP. WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT									
	VIBRATION	±0.03%/°C (0~50°C)								
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
0.45571/.0	WITHSTAND VOLTAGE	UL60950-1, TUV EN60950-1, CCC GB4943 approved								
SAFETY &	ISOLATION RESISTANCE				0/. DH					
EMC (Note 5)	EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3, GB9254 class B, GB17625.1								
	EMC IMMUNITY									
	MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A 206.5K hrs min. MIL-HDBK-217F (25°C)								
OTHERS										
	DIMENSION PACKING	215*115*30mm (L*W*H) 0.9Kg; 15pcs/14.5Kg/0.78CUFT								
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consid EMC directives. For guidan (as available on http://www.	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. p tolerance, line regulation and load regulation. under low input voltages. Please check the derating curve for more details. idered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets not on how to perform these EMC tests, please refer to "EMI testing of component power supplies."								





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- 3 years warranty

SPECIFICATION



MODEL		RSP-320-13.5	RSP-320-15	RSP-320-24	RSP-320-27	RSP-320-36	RSP-320-48			
	DC VOLTAGE	13.5V	15V	24V	27V	36V	48V			
ОИТРИТ	RATED CURRENT	23.8A	21.4A	13.4A	11.9A	8.9A	6.7A			
	CURRENT RANGE	0 ~ 23.8A	0 ~ 21.4A	0 ~ 13.4A	0 ~ 11.9A	0 ~ 8.9A	0 ~ 6.7A			
	RATED POWER	321.3W	321W	321.6W	321.3W	320.4W	321.6W			
	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								
	VOLTAGE RANGE Note.4									
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load								
	EFFICIENCY (Typ.)	88%	88.5%	89%	89%	89.5%	90%			
	AC CURRENT (Typ.)	4A/115VAC 2A/230VAC								
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC								
	LEAKAGE CURRENT	<1mA/240VAC								
	OVERLOAD	105 ~ 135% rated output power								
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PROTECTION	OVER VOLTAGE	15.7 ~ 18.4V	18.8 ~ 21.8V	27.6 ~ 32.4V	32.9 ~ 38.3V	41.4 ~ 48.6V	58.4 ~ 68V			
		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 (0~50°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 EN55022 (CISPR22) 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	206.5K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	215*115*30mm (L*W*H)								
	PACKING	0.9Kg; 15pcs/14.5Kg/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.									



