



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
U low profile 30mm
optional conformal coating models (RSP-320-□ CC)
ED indicator for power on
B years warranty





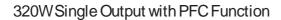


SPECIFICATION

PECIFIC	ATION								
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		
	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		
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.4	88 ~ 264VAC 124 ~ 370VDC							
	FREQUENCY RANGE	47~63Hz							
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load							
INPUT	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								
	OVEDLOAD	105 ~ 135% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
PROTECTION	OVER VOLTAGE	2.88~3.38V	3.8 ~ 4.5V	4.5 ~ 5.3V	5.75 ~ 6.75V	9.4 ~ 10.9V	13.8 ~ 16.2V		
		Protection type: Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE	rature 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 (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, TUV E	N60950-1, EACTP	TC 004, CCC GB494	43.1 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:100MOhms / 500VDC / 25°C / 70% RH							
(Note 5)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020, GB9254 Class B, GB17625.1							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020							
	MTBF	206.5K hrs min. MIL-HDBK-217F (25°C)							
OTHERS	DIMENSION	215*115*30mm(L*W*H)							
	PACKING	0.9Kg; 15pcs/14.5Kg/0.78CUFT							
NOTE	1 All parameters NOT specia	rameters NOT specially mentioned are measured at 230VAC input rated load and 25°C of ambient temperature							

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. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. 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 IEMI testing of component power supplies. Tas 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-320-2.5/-3.3/-4/-5/-7.5/-12/-13.5/-15)
- 8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).







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Universal AC input / Full range
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EO P. vooro worrentv







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		
	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		
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/230VAC 3000ms, 50ms/115VAC at full load							
	HOLD UP TIME (Typ.)	8ms at full load 230VAC/115VAC							
	VOLTAGE RANGE Note.4	88 ~ 264VAC	88 ~ 264VAC 124 ~ 370VDC						
	FREQUENCY RANGE	47~63Hz							
	POWER FACTOR (Typ.)	PF>0.95/230VAC	PF>0.98/115V	'AC at full load					
INPUT	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							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
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		
	OVER VOLIAGE	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							
	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 (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, TUV E	N60950-1, EACT	PTC 004, CCC GB49	43.1 approved				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC							
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	MTBF	206.5K hrs min. MIL-HDBK-217F (25°C)							
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