



■ 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

DC VOLTAGE							
RATED CURRENT 60A 60A 60A 60A 60A 40A 26.7A	20-12						
CURRENT RANGE 0 ~ 60A							
Name							
New Color	7A						
OUTPUT VOLTAGE ADJ. RANGE 2.35 - 2.85V 2.97 - 3.8V 3.7 - 4.3V 4.5 - 5.5V 6 - 9V 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	<i>V</i>						
VOLTAGE TOLERANCE Note. ±2.0%	р-р						
LINE REGULATION	3.2V						
LOAD REGULATION ±1.5% ±1.5% ±1.0% ±1.0% ±1.0% ±0.0%	0						
SETUP, RISE TIME	0						
HOLD UP TIME (Typ.) Sms at full load 230VAC /115VAC	0						
Note Note	1500ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load						
FREQUENCY RANGE	8ms at full load 230VAC /115VAC						
POWER FACTOR (Typ.) PF>0.95/230VAC PF>0.98/115VAC at full load							
EFFICIENCY (Typ.) 75.5% 79.5% 81% 83% 88% 88% 88% 88% AC CURRENT (Typ.) 2.7A/115VAC 1.5 A/230VAC 4A/115VAC 2A/230VAC INRUSH CURRENT (Typ.) 20A/115VAC 40A/230VAC 4A/115VAC 2A/230VAC 4A/115VAC 2A/230VAC 4A/115VAC 2A/230VAC 4A/115VAC 40A/230VAC 4A/115VAC 4A/115VAC							
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 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 ~ 13.8 ~ 4.5V 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 TEMP30 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 99% 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 & SAFETY STANDARDS UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 approved WITHSTAND VOLTAGE I/P-O/P, I/P-FG; 2/VAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG; 100M Ohms / 500VDC / 25°C / 70% RH	PF>0.95/230VAC PF>0.98/115VAC at full load						
INRUSH CURRENT (Typ.) 20A/115VAC 40A/230VAC							
REAKAGE CURRENT							
PROTECTION 105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed OVER VOLTAGE 2.88 ~ 3.38V 3.8 ~ 4.5V 4.5 ~ 5.3V 5.75 ~ 6.75V 9.4 ~ 10.9V 13.8 ~ 10.9V Protection type : Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover 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, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 approved SAFETY STANDARDS UJP-O/P:3KVAC J/P-FG:2KVAC O/P-FG:0.5KVAC BOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	20A/115VAC 40A/230VAC						
PROTECTION OVER VOLTAGE OVER TEMPERATURE Shut down o/p voltage, recovers automatically after fault condition is removed 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 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, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
Protection type : Hiccup mode, recovers automatically after fault condition is removed OVER VOLTAGE 2.88 ~ 3.38V 3.8 ~ 4.5V 4.5 ~ 5.3V 5.75 ~ 6.75V 9.4 ~ 10.9V 13.8 ~ Protection type : Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover 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, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 approved SAFETY STANDARDS ULF09F3:KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC BOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
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 ~ 13.8							
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WORKING TEMP.							
WORKING TEMP.	71 0 1 1						
ENVIRONMENT STORAGE TEMP., HUMIDITY -40 ~ +85 °C, 10 ~ 95 % RH TEMP. COEFFICIENT ±0.03 % °C (0 ~ 50 °C) VIBRATION 10 ~ 500 Hz, 2G 10 min./1 cycle, 60 min. each along X, Y, Z axes SAFETY STANDARDS UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 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							
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SAFETY STANDARDS UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 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							
SAFETY & EMC 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							
EMC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
Compliance to EN33032 (CI3F K32) Class B, EN01000-3-2,-3, EAC 1F 16 020, CN3 13430, GB3234 Class B, Gt	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438, 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	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 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 mountir a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidar 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-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	ce on how t						





■ 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-320-13.5	RSP-320-15	RSP-320-24	RSP-320-27	RSP-320-36	RSP-320-48	
DC '	VOLTAGE	13.5V	15V	24V	27V	36V	48V	
RAT	TED CURRENT	23.8A	21.4A	13.4A	11.9A	8.9A	6.7A	
CUF	RRENT RANGE	0 ~ 23.8A	0 ~ 21.4A	0 ~ 13.4A	0 ~ 11.9A	0 ~ 8.9A	0 ~ 6.7A	
RA7	TED POWER	321.3W	321W	321.6W	321.3W	320.4W	321.6W	
RIP	PPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	200mVp-p	220mVp-p	240mVp-p	
	LTAGE ADJ. RANGE	12 ~ 15V	13,5 ~ 18V	20 ~ 26,4V	26 ~ 31,5V	32,4 ~ 39,6V	41 ~ 56V	
voi	LTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	NE REGULATION	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	±0.2%	
LO	AD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
SET	TUP, RISE TIME	1500ms, 50ms/230V	/AC 3000ms, 50)ms/115VAC at full lo	pad			
нол	LD UP TIME (Typ.)	8ms at full load 230VAC /115VAC						
VOI	LTAGE RANGE Note.4							
	EQUENCY RANGE	47 ~ 63Hz						
PO	WER FACTOR (Typ.)	PF>0.95/230VAC	PF>0.98/115VAC	at full load				
	FICIENCY (Typ.)	88%	88,5%	89%	89%	89,5%	90%	
	CURRENT (Typ.)	4A/115VAC 2A	/230VAC					
	RUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC						
	AKAGE CURRENT	<1mA/240VAC						
	105 ~ 135% rated output power							
OVE	'ERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed						
PROTECTION		15.7 ~ 18.4V	18.8 ~ 21.8V	27.6 ~ 32.4V	32.9 ~ 38.3V	41.4 ~ 48.6V	58.4 ~ 68V	
OVE	'ER VOLTAGE							
OVI	ER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down						
	ORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")						
wo	ORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT STO	ORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH						
	MP. COEFFICIENT	±0.03%/°C (0~50°C)						
VIB	BRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAF	FETY STANDARDS	UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 60950.1 approved						
SAFETY & WIT	THSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	ISOLATION RESISTANCE							
	IC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438, GB9254 Class B, GB17625.1						
EMC	IC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020						
МТЕ	BF	206.5K hrs min. N	MIL-HDBK-217F (25°	C)				
OTHERS DIM	MENSION	215*115*30mm (L*V	V*H)					
PAC	CKING	0.9Kg; 15pcs/14.5Kg	/0.78CUFT					
2.1 3 4.1 5 1 6.1	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is conside EMC directives. For guidance (as available on http://www. For charging related applica Strongly recommended the supplied temperature description.	ad at 20MHz of bands tolerance, line regula ider low input voltage ered a component who ce on how to perform meanwell.com) titions, please consult that external output	width by using a 12" tion and load regulat ss. Please check the nich will be installed these EMC tests, p Mean Well for detail capacitance should	twisted pair-wire territion. derating curve for minto a final equipmen lease refer to "EMI to be. Inot exceed 5000u	minated with a 0.1uth nore details. It. The final equipment esting of components.	t & 47uf parallel capar ent must be re-confirr t power supplies." 320-2.5/-3.3/-4/-5/-	ned that it still meets	
8.	The ambient temperature de	erating of 3.5° C/1000	m with fanless mode	els and of 5℃/1000m	n with fan models fo		gher than 2000n	



