



### ■ Features :

- \*Universal AC input / Full range
- \*Built-in active PFC function
- \*Protections: Short circuit / Overload / Over voltage / Over temperature
- \*Cooling by free air convection
- \*Built-in constant current limiting circuit
- \*1U low profile 30mm
- \*Remote ON-OFF control
- \*LED indicator for power on
- \*Over voltage category III
- \*100% full load burn-in test
- \*3 years warranty

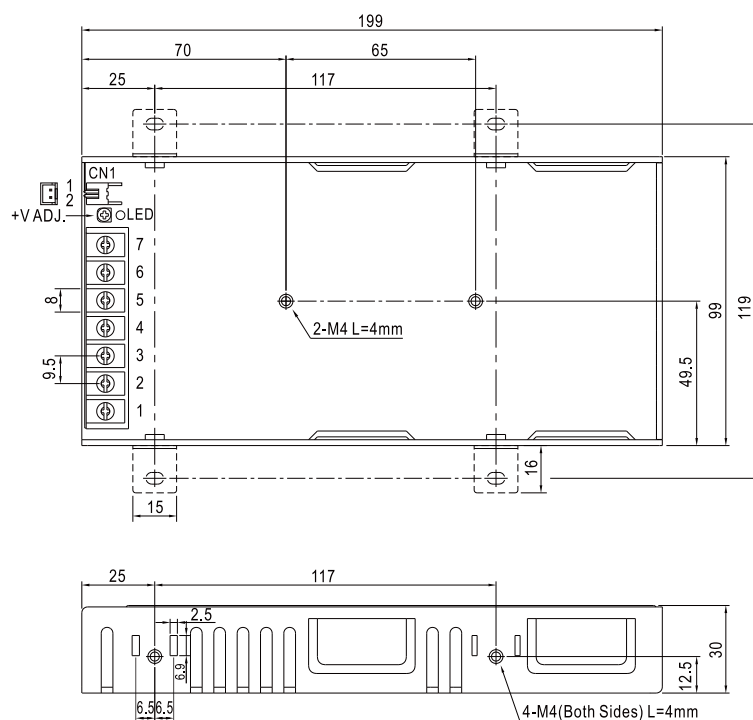


### SPECIFICATION

MODEL		RSP-150-3.3	RSP-150-5	RSP-150-7.5	RSP-150-12	RSP-150-13.5	RSP-150-15	RSP-150-24	RSP-150-27	RSP-150-48
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	RATED CURRENT	30A	30A	20A	12.5A	11.2A	10A	6.3A	5.6A	3.2A
	CURRENT RANGE	0 ~ 30A	0 ~ 30A	0 ~ 20A	0 ~ 12.5A	0 ~ 11.2A	0 ~ 10A	0 ~ 6.3A	0 ~ 5.6A	0 ~ 3.2A
	RATED POWER	99W	150W	150W	150W	151.2W	150W	151.2W	151.2W	153.6W
	RIPPLE & NOISE (max.) <small>Note.2</small>	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	250mVp-p
	VOLTAGE ADJ. RANGE	3.14 ~ 3.63V	4.75 ~ 5.5V	7.13 ~ 8.25V	11.4 ~ 13.2V	12.8 ~ 14.9V	14.3 ~ 16.5V	22.8 ~ 26.4V	25.7 ~ 29.7V	45.6 ~ 52.8V
	VOLTAGE TOLERANCE <small>Note.3</small>	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE TIME	600ms, 30ms at full load									
HOLD UP TIME (Typ.)	16ms at full load									
INPUT	VOLTAGE RANGE <small>Note.5</small>	85 ~ 264VAC      120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.93/230VAC      PF>0.98/115VAC at full load								
	EFFICIENCY (Typ.)	81.5%	87%	88.5%	90%	87.5%	88.5%	89%	89.5%	90%
	AC CURRENT (Typ.)	1.6A/115VAC      0.8A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC								
	LEAKAGE CURRENT	<2mA / 240VAC								
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	OVER VOLTAGE	3.63 ~ 4.46V   5.5 ~ 6.75V   8.25 ~ 10.13V   13.2 ~ 16.2V   14.85 ~ 18.2V   16.5 ~ 20.25V   26.4 ~ 32.4V   29.7 ~ 36.45V   52.8 ~ 64.8V Protection type : Shut down o/p voltage, re-power on to recover								
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down								
	REMOTE CONTROL	CN1: < 0~0.8VDC POWER ON , 4~10VDC POWER OFF								
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 non-condensing								
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
OVER VOLTAGE CATEGORY	III ; According to EN61558, EN50178, EN60664-1, EN62477-1 ; altitude up to 2000 meters									
SAFETY & EMC <small>(Note 4)</small>	SAFETY STANDARDS	UL60950-1, UL62368-1, TUV EN60950-1, EN61558-1, EN61558-2-16, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1, AS/NZS 62368.1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC   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								
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020, GB9254 Class B, GB17625.1, CNS13438 Class B								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020								
OTHERS	MTBF	290.7K hrs min.      MIL-HDBK-217F (25°C)								
	DIMENSION	199*99*30mm (L*W*H)								
	PACKING	0.6Kg; 24pcs/15.4Kg/0.92CUFT								
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. 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." 5. Derating may be needed under low input voltages. Please check the derating curve for more details. 6. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-150-3.3/-5/-7.5/-12) 7. 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) (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a> )									

## ■ Mechanical Specification

Case No. 215A    Unit:mm



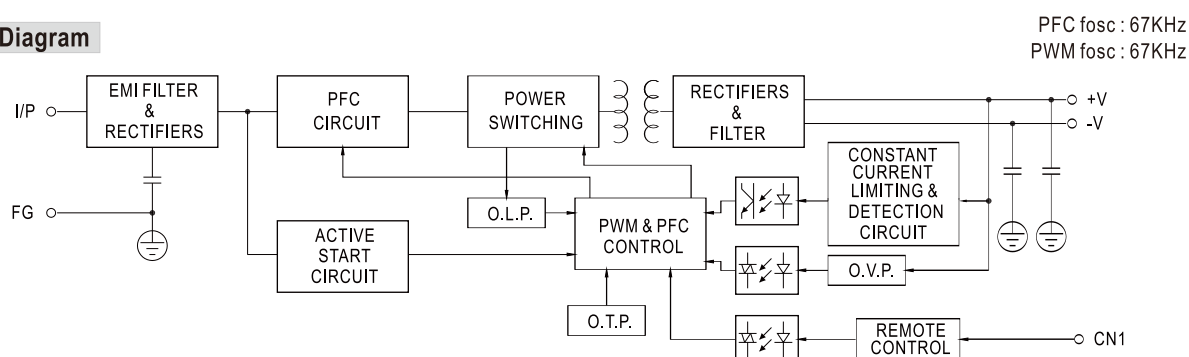
### Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	EG $\perp$		

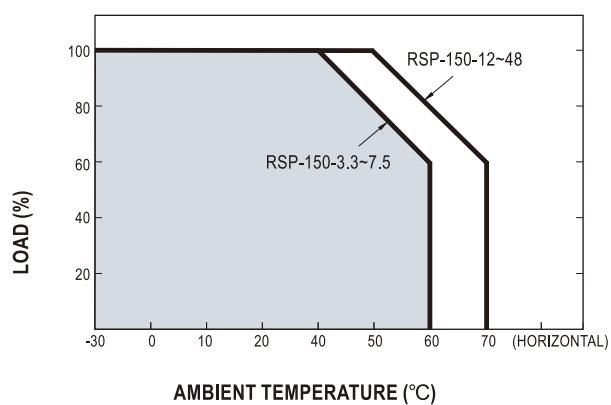
Remote ON/OFF(CN1):JST B-XH or equivalent(optional)

Pin No.	Assignment	Mating Housing	Terminal
1	RC+	JST XHP or equivalent	JST SXH-001T or equivalent
2	RC-		

### ■ Block Diagram



### Derating Curve



### ■ Output Derating VS Input Voltage

