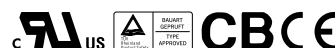




■ Features :

- Auto switched 88 ~ 264VAC input
- Built-in passive PFC choke
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- Built-in cooling Fan ON-OFF control
- LED indicator for power on
- Fixed switching frequency at 75KHz
- 2 years warranty

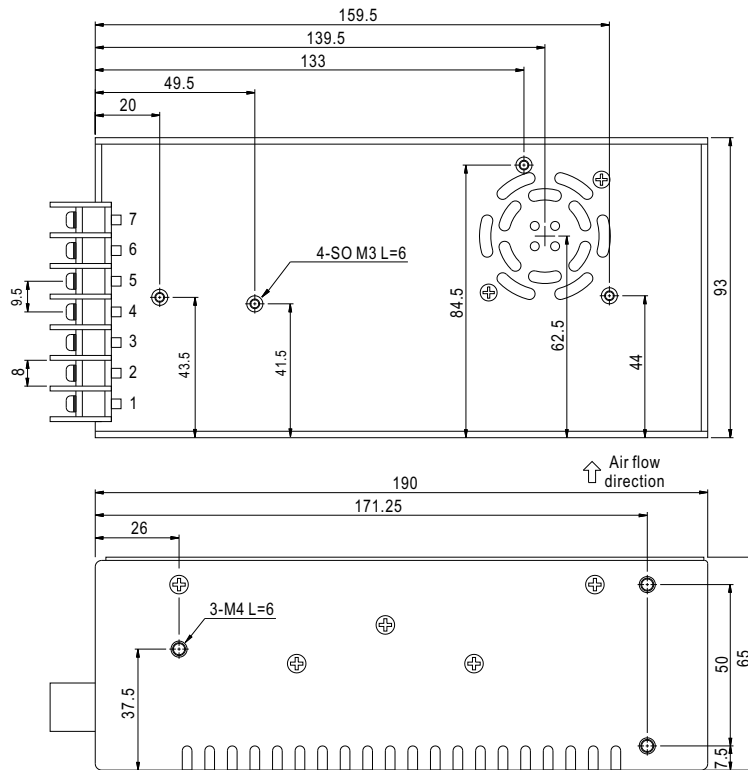


SPECIFICATION

| MODEL | | S-240-5 | S-240-7.5 | S-240-12 | S-240-15 | S-240-24 | S-240-30 | S-240-48 |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|------------|--------------|--------------|
| OUTPUT | DC VOLTAGE | 5V | 7.5V | 12V | 15V | 24V | 30V | 48V |
| | RATED CURRENT | 40A | 30A | 18A | 15A | 10A | 8A | 5A |
| | CURRENT RANGE | 0 ~ 40A | 0 ~ 30A | 0 ~ 18A | 0 ~ 15A | 0 ~ 10A | 0 ~ 8A | 0 ~ 5A |
| | RATED POWER | 200W | 225W | 216W | 225W | 240W | 240W | 240W |
| | RIPPLE & NOISE (max.) Note.2 | 150mVp-p | 200mVp-p | 150mVp-p | 150mVp-p | 180mVp-p | 180mVp-p | 240mVp-p |
| | VOLTAGE ADJ. RANGE | 4.5 ~ 5.8V | 6 ~ 9V | 10 ~ 14V | 12 ~ 18V | 20 ~ 28V | 27 ~ 33V | 41 ~ 56V |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±1.0% |
| | LOAD REGULATION | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±1.0% |
| | SETUP, RISE TIME | 1000ms, 20ms at full load | | | | | | |
| | HOLD UP TIME (Typ.) | 36ms at full load | | | | | | |
| INPUT | VOLTAGE RANGE | 88 ~ 132VAC / 176 ~ 264VAC auto switch 248 ~ 370VDC | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | |
| | EFFICIENCY (Typ.) | 78% | 80% | 82% | 83% | 84% | 85% | 87% |
| | AC CURRENT (Typ.) | 5A/115VAC 2.5A/230VAC | | | | | | |
| | INRUSH CURRENT (Typ.) | 15A/115VAC 30A/230VAC | | | | | | |
| | LEAKAGE CURRENT | <2mA / 240VAC | | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed. | | | | | | |
| | OVER VOLTAGE | 6 ~ 7V | 9.4 ~ 10.9V | 14.4 ~ 16.8V | 18.5 ~ 21.5V | 31.2 ~ 36V | 34.5 ~ 40.5V | 57.6 ~ 67.2V |
| FUNCTION | FAN CONTROL, O.T.P. | RT1≥40℃ FAN ON, ≤35℃ FAN OFF, ≥70℃ output shutdown | | | | | | |
| ENVIRONMENT | WORKING TEMP. | -10 ~ +60℃ (Refer to output load derating curve) | | | | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | | | | |
| | STORAGE TEMP., HUMIDITY | -20 ~ +85℃, 10 ~ 95% RH | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/℃ (0 ~ 50℃) | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes | | | | | | |
| SAFETY & EMC (Note 4) | SAFETY STANDARDS | UL60950-1, TUV EN60950-1 approved (7.5V Design refer to TUV EN60950-1) | | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC | | | | | | |
| | EMI CONDUCTION & RADIATION | Compliance to EN55022 (CISPR22) Class B | | | | | | |
| | HARMONIC CURRENT | Compliance to EN61000-3-2,-3 | | | | | | |
| | EMS IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A | | | | | | |
| OTHERS | MTBF | 179.3K hrs min. MIL-HDBK-217F (25℃) | | | | | | |
| | DIMENSION | 190*93*65mm (L*W*H) | | | | | | |
| | PACKING | 1.2Kg; 12pcs/15.3Kg/0.79CUFT | | | | | | |
| NOTE | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. | | | | | | | |

Mechanical Specification

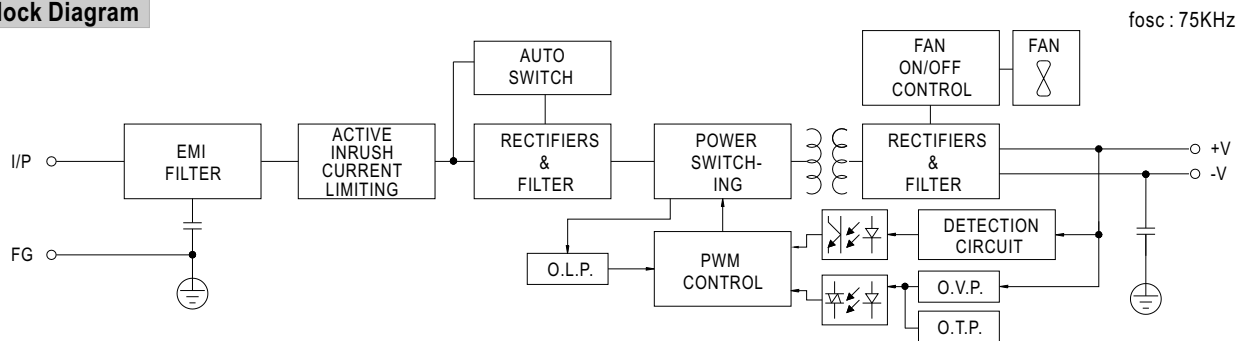
Case No. 911 Unit:mm



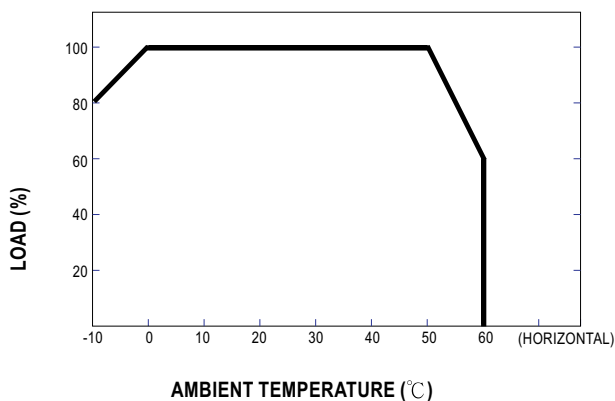
Terminal Pin No. Assignment

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

Block Diagram



Derating Curve



Static Characteristics (24V)

