



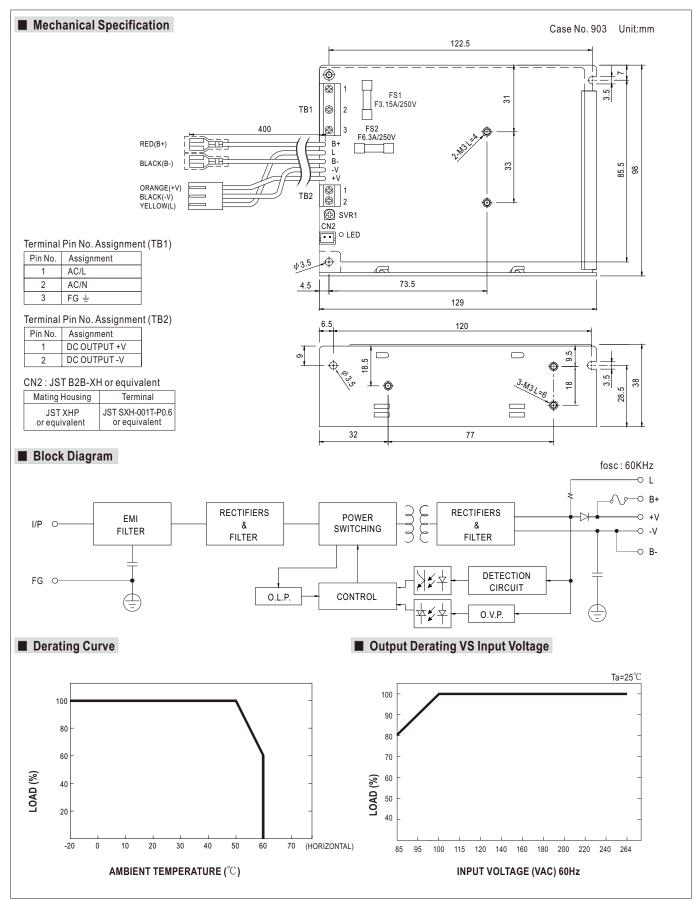
■ Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Battery polarity protections (by fuse)
- Built-in temperature compensation function
- Output voltage detection signal
- Cooling by free air convection
- LED indicator for power on
- No load power consumption <0.75W
- * Suitable for installation in metallic or non-metallic system enclosure
- 100% full load burn-in test
- 2 years warranty



| DC VOLTAGE 13.8V 27.6V | | | | | |
|--|---|--|--|--|--|
| Note | | | | | |
| PEKK 5S | | | | | |
| Name | | | | | |
| NATED POWER 49.7W | | | | | |
| NUTLIGE ADJ. RANGE | | | | | |
| VOLTAGE TOLERANCE vol.3 ±15.5% ±15.5% ±15.6% ±10.% | | | | | |
| LINE REGULATION Note | | | | | |
| LOAD REGULATION Note.5 ±2.0% ±1.0% ±1.0% | | | | | |
| SETUP, RISE TIME 500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load | | | | | |
| HOLD UP TIME (Typ.) 50ms/230VAC 16ms/115VAC at full load | | | | | |
| NOLTAGE RANGE | 500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load | | | | |
| FREQUENCY RANGE 47 ~ 63Hz 85% | | | | | |
| EFFCIENCY(Typ.) 81% 85% 85% AC CURRENT (Typ.) 1.1A/115VAC 0.65A/230VAC INRUSH CURRENT (Typ.) COLD START 45A LEAKAGE CURRENT <2mA / 240VAC TEMP. COMPENSATION By NTC (not provide with the power supply) | 85 ~ 264VAC 120 ~ 370VDC | | | | |
| AC CURRENT (Typ.) 1.1A/115VAC 0.65A/230VAC INRUSH CURRENT (Typ.) COLD START 45A LEAKAGE CURRENT <2mA / 240VAC INRUSH CURRENT <2mA / 240VAC INRUSH CURRENT Complementation By NTC (not provide with the power supply) TEMP. COMPENSATION By NTC (not provide with the power supply) | | | | | |
| AC CURRENT (Typ.) 1.1A/115VAC 0.65A/230VAC INRUSH CURRENT (Typ.) COLD START 45A LEAKAGE CURRENT <2mA / 240VAC TEMP. COMPENSATION By NTC (not provide with the power supply) | | | | | |
| LEAKAGE CURRENT | | | | | |
| TEMP. COMPENSATION By NTC (not provide with the power supply) | COLD START 45A | | | | |
| FUNCTION OUTPUT VOLTAGE SENSOR L=output voltage +0.2 ~ 0.7V(AC OK); L=0V(AC Fail) OVERLOAD OVERLOAD OVER VOLTAGE WORKING TEMP. WORKING HUMIDITY 20 ~ 90% RH non-condensing TEMP. COEFFICIENT VIBRATION SAFETY & SAFETY STANDARDS WITHSTAND VOLTAGE BMC (Note 7) EMC EMISSION EMC EMISSION Compliance to EN55022 (CISPR22) Class B,EN61000-3-2,3 EMC IMMUNITY Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A MTBF MTBF OVER VOLTAGE L = output voltage +0.2 ~ 0.7V(AC OK); L = 0V(AC Fail) 2.2 ~ 2.9A rated output power 3.3.1 ~ 38.5V OVER VOLTAGE 3.3.1 ~ 38.5V Protection type : Shut down o/p voltage, re-power on to recover -20 ~ +60°C (Refer to output load derating curve) 20 ~ 90% RH non-condensing -20 ~ +60°C (Refer to output load derating curve) -20 ~ +60°C | <2mA/240VAC | | | | |
| OUTPUT VOLTAGE SENSOR L=output voltage +0.2 ~ 0.7V(AC OK); L=0V(AC FAII) | By NTC (not provide with the power supply) | | | | |
| Protection type : Hiccup mode, recovers automatically after fault condition is removed Protection type : Hiccup mode, recovers automatically after fault condition is removed 33.1 ~ 38.5V | | | | | |
| Protection type : Hiccup mode, recovers automatically after fault condition is removed 33.1 ~ 38.5 \footnote{Note Note 1} | | | | | |
| 16.6 ~ 19.3 V 33.1 ~ 38.5 V | Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | | |
| Protection type : Shut down o/p voltage, re-power on to recover | | | | | |
| WORKING HUMIDITY 20 ~ 90% RH non-condensing | | | | | |
| ENVIRONMENT STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH | | | | | |
| TEMP. COEFFICIENT | | | | | |
| VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes SAFETY STANDARDS UL60950-1, CB(IEC60950-1) approved 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 / 25°C / 70% RH EMC EMISSION Compliance to EN55022 (CISPR22) Class B,EN61000-3-2,3 EMC IMMUNITY Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A MTBF 495.7K hrs min. MIL-HDBK-217F (25°C) | ' | | | | |
| SAFETY \$\ SAFETY \$\ SAFETY \$\ SAFETY \$\ SAFETY \$\ SAFETY \$\ STANDARDS UL60950-1, CB(IEC60950-1) approved | | | | | |
| ### WITHSTAND VOLTAGE | | | | | |
| ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH | | | | | |
| (Note 7) ISOLATION RESISTANCE 1/P-O/P, 1/P-FG, O/P-FG:100M Ohms / 500VDC / 25 C / 70% RH | | | | | |
| EMC IMMUNITY Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A MTBF 495.7K hrs min. MIL-HDBK-217F (25°C) | | | | | |
| MTBF 495.7K hrs min. MIL-HDBK-217F (25°C) | Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A | | | | |
| | | | | | |
| | | | | | |
| OTHERS DIMENSION 129*98*38mm (L*W*H) | | | | | |
| PACKING 0.45Kg; 30pcs/14.5Kg/0.95CUFT | | | | | |
| All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. 33% Duty cycle maximum within every 15 seconds. Average output power should not exceed the rated power. 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. (As available on http://www.meanwell.com) | | | | | |







■ Function Description

1.B+,B-

Connect the battery : B+ connected to battery positive.
B- connected to battery negative.

2.L

Output voltage detection, detect output voltage or battery voltage (if battery is used).

| Voltage of L Pin | | | |
|------------------|--|--|--|
| AC OK | Output voltage +0.2~0.7V(depends on Vf of diode) | | |
| AC Fail | 0V | | |

3.+V,-V

Output voltage. Can't connect the battery.

4 CN2

Temperature sensor can be connected to the unit to allow temperature compensation of the charging voltage.

If the sensor is not used, the charger still works normally.

Reference example: (Under rated DC output voltage)

Connect 100K Ω Thermistor(THINKING) on NTC. The output voltage will change along

with the temperature change. If the output voltage is adjusted other than the rated value by internal potential meter, please consult Meanwell for suitable value of Thermistor.

| | Ta :0°C | Ta :25°℃ | Ta :50°C |
|-----------|-----------|-----------|-----------|
| SCP-50-12 | 14.4±0.2V | 13.8±0.1V | 13.2±0.2V |
| SCP-50-24 | 29.3±0.4V | 27.6±0.2V | 26.4±0.4V |

