

60W Single Output with Battery Charger(UPS Function)

PSC-60 series



Features :

- Universal AC input / Full range
- Models with L-Bracket and cover available (PSC-60x-C, x=A,B)
- Protections: Short circuit / Overload / Over voltage
- Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and Battery reverse low
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty



SPECIFICATION

PSC-60A -C

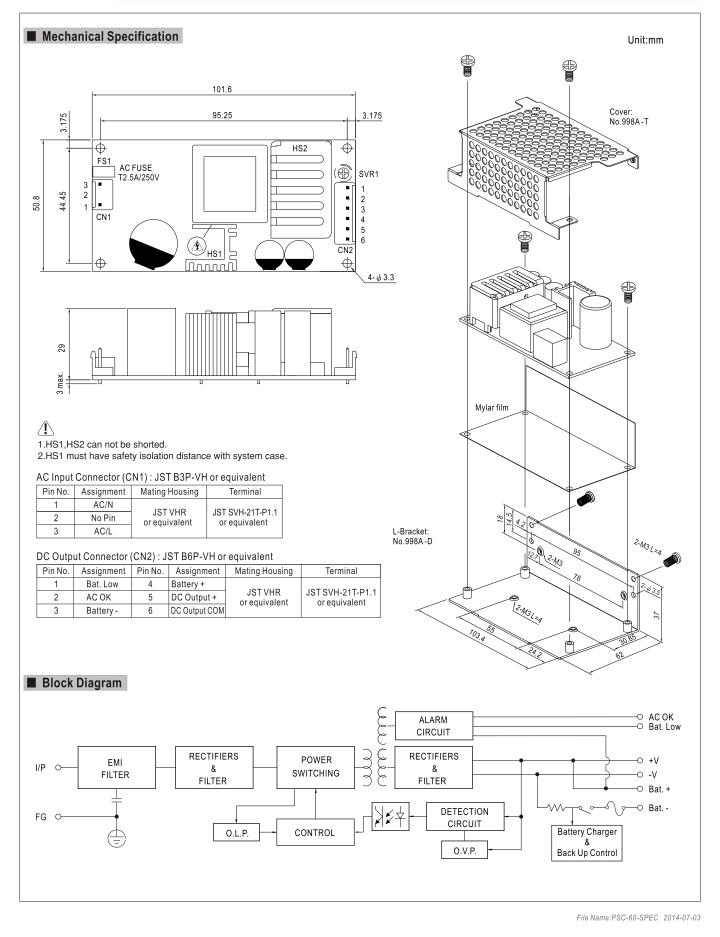
=Blank,-C ; Blank=PCB only, -C=Enclosed type

| MODEL | | PSC-60A | | PSC-60B | |
|-------------|--|--|---------------------------------|-----------------------------|-------|
| OUTPUT | OUTPUT NUMBER | CH1 | CH2 | CH1 | CH2 |
| | DC VOLTAGE | 13.8V | 13.8V | 27.6V | 27.6V |
| | RATED CURRENT | 2.8A | 1.5A | 1.4A | 0.75A |
| | CURRENT RANGE | 0~4.3A | | 0~2.15A | |
| | RATED POWER | 59.34W | | 59.34W | |
| | RIPPLE & NOISE (max.) Note.2 | 120mVp-p | | 240mVp-p | |
| | VOLTAGE ADJ. RANGE | CH1: 12 ~ 15V | | CH1: 24 ~ 29V | |
| | VOLTAGE TOLERANCE Note.3 | ±1.0% | | ±1.0% | |
| | LINE REGULATION | ±0.5% | | $\pm 0.5\%$ | |
| | LOAD REGULATION | ±0.5% | | $\pm 0.5\%$ | |
| | SETUP, RISE TIME Note.4 | 800ms, 50ms/230VAC 160 | 0ms, 50ms/115VAC at full load | | |
| | HOLD UP TIME (Typ.) | 50ms/230VAC 10ms/115VAC at full load | | | |
| INPUT | VOLTAGE RANGE | 90~264VAC 127~370VDC | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | |
| | EFFICIENCY (Typ.) | 84% 84% | | | |
| | AC CURRENT (Typ.) | 1.6A/115VAC 1A/230VAC | | | |
| | INRUSH CURRENT (Typ.) | COLD START 30A/115VAC 60A/230VAC | | | |
| | LEAKAGE CURRENT | <1mA/240VAC | | | |
| PROTECTION | | 105 ~ 150% rated output power | | | |
| | OVERLOAD | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | |
| | | CH1:14.49 ~ 18.63V CH1:28.98 ~ 37.26V | | | |
| | OVER VOLTAGE | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | |
| | BATTERY CUT OFF | 10.5±0.5V 21±1V | | | |
| FUNCTION | AC OK | TTL open collector output, ON : AC OK ; OFF : AC Fail ; Ice : max. 30mA@ 50VDC | | | |
| | DATTERVIOW | TTL open collector output, ON : Battery Low ; OFF : Battery OK ; Ice : max. 30mA@ 50VDC | | | |
| | BATTERY LOW | Battery low voltage : < 11V | | Battery low voltage : < 22V | |
| ENVIRONMENT | WORKING TEMP. | -20 ~ +70°C (Refer to "Derating Curve") | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | |
| | STORAGE TEMP., HUMIDITY | -20 ~ +85°C, 10 ~ 95% RH | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0~50°C) on CH1 output | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes | | | |
| | SAFETY STANDARDS | UL60950-1, TUV EN60950-1 approved | | | |
| SAFETY & | WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | | | |
| ЕМС | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH | | | |
| (Note 4) | 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, EN55024, light industry level, criteria A | | | |
| OTHERS | MTBF | 589.7K hrs min. MIL-HDBK-217F (25°C) | | | |
| | DIMENSION | PCB:101.6*50.8*29mm (L*W*H) ; Enclosed type:103.4*62*37mm (L*W*H) | | | |
| | PACKING | | 9CUFT ; Enclosed type:0.29Kg; 4 | | |
| NOTE | Ripple & noise are measure Tolerance : includes set up Length of set up time is me Heat sink HS1,HS2 can no Heat sink HS1 must have s The power supply is considered EMC directives. For guidantic superior supply | ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. to tolerance, line regulation and load regulation. easured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. | | | |



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