



■ Features :

- AC input active surge current limiting
- AC input range selected by switch
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC ball bearing fan
- High power density 7.3w/inch³
- With DC_OK signal output
- Built-in remote ON-OFF control
- Built-in remote sense function
- UL / CUL approved
- Low cost
- 2 years warranty



SPECIFICATION

| MODEL | SE-1000-5 | SE-1000-9 | SE-1000-12 | SE-1000-15 | SE-1000-24 | SE-1000-48 | |
|---------------------|---|--|--------------|--------------|--------------|------------|--------------|
| OUTPUT | DC VOLTAGE | 5V | 9V | 12V | 15V | 24V | 48V |
| | RATED CURRENT | 150A | 100A | 83.3A | 66.7A | 41.7A | 20.8A |
| | CURRENT RANGE | 0 ~ 150A | 0 ~ 100A | 0 ~ 83.3A | 0 ~ 66.7A | 0 ~ 41.7A | 0 ~ 20.8A |
| | RATED POWER | 750W | 900W | 999.6W | 1000.5W | 1000.8W | 998.4W |
| | RIPPLE & NOISE (max.) Note.2 | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 200mVp-p | 200mVp-p |
| | VOLTAGE ADJ. RANGE | 3.3 ~ 5.5V | 7.5 ~ 10V | 10 ~ 13.5V | 13.5 ~ 16.5V | 22 ~ 27.5V | 43 ~ 56V |
| | VOLTAGE TOLERANCE Note.3 | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | LOAD REGULATION | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | SETUP, RISE TIME | 1500ms, 50ms/230VAC 1500ms, 50ms/115VAC at full load | | | | | |
| HOLD UP TIME (Typ.) | 20ms/230VAC 15ms/115VAC at full load | | | | | | |
| INPUT | VOLTAGE RANGE | 90 ~ 132VAC / 180 ~ 264VAC selected by TB2 254 ~ 370VDC | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | |
| | EFFICIENCY (Typ.) | 81% | 84% | 85% | 86% | 88% | 89% |
| | AC CURRENT (Typ.) | 17.5A/115VAC 10A/230VAC | | | | | |
| | INRUSH CURRENT (Typ.) | 35A/115VAC 55A/230VAC | | | | | |
| | LEAKAGE CURRENT | <2.5mA / 240VAC | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 125% rated output power Protection type : Shut down o/p voltage, re-power on to recover | | | | | |
| | OVER VOLTAGE | 5.75 ~ 6.3V | 10.4 ~ 12.2V | 13.8 ~ 16.2V | 18 ~ 21V | 28 ~ 32.4V | 57.6 ~ 67.2V |
| | OVER TEMPERATURE | 70°C ±5°C (TSW1) detect on heatsink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down | | | | | |
| FUNCTION | DC_OK SIGNAL | PSU turn on: 3.3V ~ 5.6V PUS turn off: 0 ~ 1V | | | | | |
| | REMOTE CONTROL | RC+/RC-: 0 ~ 0.8V power on; 4 ~ 10V power off | | | | | |
| ENVIRONMENT | WORKING TEMP. | -20 ~ +60°C (Refer to "Derating Curve") | | | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +85°C, 10 ~ 95% RH | | | | | |
| | TEMP. COEFFICIENT | ±0.05%/°C (0 ~ 50°C) | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes | | | | | |
| SAFETY | SAFETY STANDARDS | UL60950-1 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 | | | | | |
| OTHERS | MTBF | 251.6K hrs min. MIL-HDBK-217F (25°C) | | | | | |
| | DIMENSION | 278*127*63.5mm (L*W*H) | | | | | |
| | PACKING | 2.5Kg; 6pcs/16Kg/1.38CUFT | | | | | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. By using UVP circuit, PSU will not turn on direct by in AC continue ON/OFF condition within 5 sec.</p> | | | | | | |