



■ Features :

- AC input range selected by switch
- Protections: Short circuit / Overload / Over voltage
- Forced air cooling by built-in DC fan
- 100% full load burn-in test
- Fixed switching frequency at 60KHz
- Low cost
- High reliability
- 2 years warranty



**SPECIFICATION**

| MODEL            |                              | S-250-5   | S-250-12     | S-250-15       | S-250-24     | S-250-27       | S-250-48     |
|------------------|------------------------------|---|--------------|----------------|--------------|----------------|--------------|
| OUTPUT           | DC VOLTAGE                   | 5V  | 12V          | 15V            | 24V          | 27V            | 48V          |
|                  | RATED CURRENT                | 40A   | 18A          | 15A            | 10A          | 9A             | 5.2A         |
|                  | CURRENT RANGE                | 0 ~ 40A   | 0 ~ 18A      | 0 ~ 15A        | 0 ~ 10A      | 0 ~ 9A         | 0 ~ 5.2A     |
|                  | RATED POWER                  | 200W  | 216W         | 225W           | 240W         | 243W           | 249.6W       |
|                  | RIPPLE & NOISE (max.) Note.2 | 80mVp-p   | 120mVp-p     | 120mVp-p       | 120mVp-p     | 150mVp-p       | 200mVp-p     |
|                  | VOLTAGE ADJ. RANGE           | 4.75 ~5.5V  | 10.8 ~13.2V  | 13.5 ~ 16.5V   | 21.6 ~ 26.4V | 24.3 ~ 29.7V   | 43.2 ~ 52.8V |
|                  | VOLTAGE TOLERANCE Note.3     | ±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%        |
|                  | LOAD REGULATION              | ±1.0%   | ±0.5%        | ±0.5%          | ±0.5%        | ±0.5%          | ±0.5%        |
|                  | SETUP, RISE TIME             | 800ms, 50ms at full load  |              |                |              |                |              |
| HOLD TIME (Typ.) | 19ms at full load            |   |              |                |              |                |              |
| INPUT            | VOLTAGE RANGE                | 90 ~ 132VAC / 176 ~ 264VAC Selected by switch      248~370VDC   |              |                |              |                |              |
|                  | FREQUENCY RANGE              | 47 ~ 63Hz   |              |                |              |                |              |
|                  | EFFICIENCY (Typ.)            | 74%   | 79%          | 80%            | 81.5%        | 82%            | 82%          |
|                  | AC CURRENT (Typ.)            | 4.8A/115VAC      2.8A/230VAC  |              |                |              |                |              |
|                  | INRUSH CURRENT (Typ.)        | COLD START 45A/230VAC   |              |                |              |                |              |
|                  | LEAKAGE CURRENT              | <2mA / 240VAC   |              |                |              |                |              |
| PROTECTION       | OVER LOAD                    | 105 ~ 135% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed   |              |                |              |                |              |
|                  | OVER VOLTAGE                 | 5.75 ~ 6.75V  | 13.8 ~ 16.2V | 17.25 ~ 20.25V | 27.6 ~ 32.4V | 31.05 ~ 36.45V | 55.2 ~ 64.8V |
| ENVIRONMENT      | WORKING TEMP.                | -10 ~ +60°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)  |              |                |              |                |              |
|                  | 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   |              |                |              |                |              |
| OTHERS           | ISOLATION RESISTANCE         | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  |              |                |              |                |              |
|                  | MTBF                         | 238.9K hrs min.    MIL-HDBK-217F (25°C)   |              |                |              |                |              |
|                  | DIMENSION                    | 150*140*86mm (L*W*H)  |              |                |              |                |              |
| NOTE             | PACKING                      | 1.15Kg; 8pcs/10.2Kg/0.97CUFT  |              |                |              |                |              |
|                  |                              | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |              |                |              |                |              |

