



■ Features :

- Universal AC input / Full range
- No load power consumption<0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole EURO plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: TUV / CB / CE
- Pass LPS
- 2 years warranty

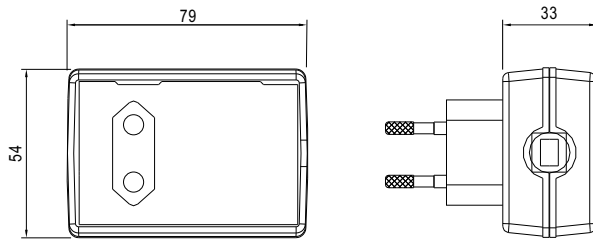
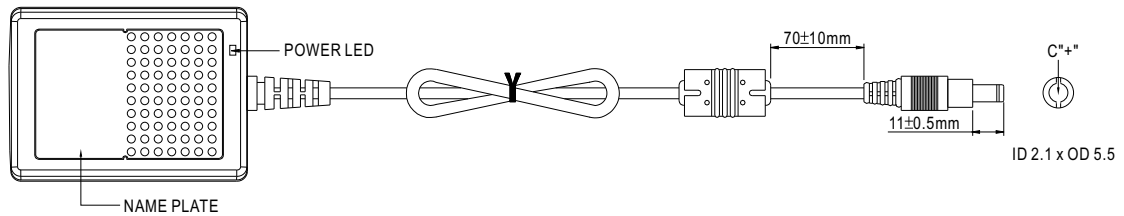
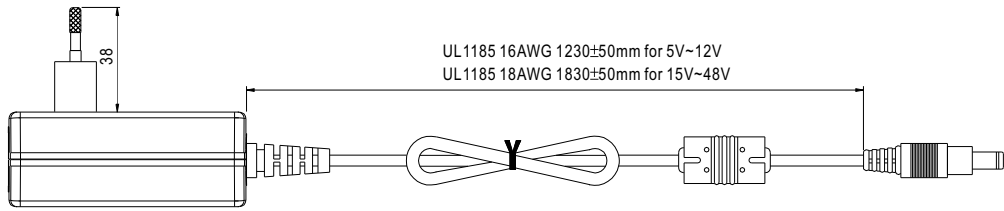


**SPECIFICATION**

| ORDER NO.  | GS25E05-P1J   | GS25E07-P1J   | GS25E09-P1J | GS25E12-P1J | GS25E15-P1J | GS25E18-P1J | GS25E24-P1J | GS25E28-P1J | GS25E48-P1J |           |
|--|---|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| OUTPUT   | <b>SAFETY MODEL NO.</b>   |               |             |             |             |             |             |             |             |           |
|  | GS25E05   | GS25E07       | GS25E09     | GS25E12     | GS25E15     | GS25E18     | GS25E24     | GS25E28     | GS25E48     |           |
|  | <b>DC VOLTAGE</b> Note.2  | 5V            | 7.5V        | 9V          | 12V         | 15V         | 18V         | 24V         | 28V         | 48V       |
|  | <b>RATED CURRENT</b>  | 4.0A          | 2.93A       | 2.77A       | 2.08A       | 1.66A       | 1.38A       | 1.04A       | 0.89A       | 0.52A     |
|  | <b>CURRENT RANGE</b>  | 0 ~ 4.0A      | 0 ~ 2.93A   | 0 ~ 2.77A   | 0 ~ 2.08A   | 0 ~ 1.66A   | 0 ~ 1.38A   | 0 ~ 1.04A   | 0 ~ 0.89A   | 0 ~ 0.52A |
|  | <b>RATED POWER (max.)</b>   | 20W           | 22W         | 25W         | 25W         | 25W         | 25W         | 25W         | 25W         | 25W       |
|  | <b>RIPPLE &amp; NOISE (max.)</b> Note.3   | 50mVp-p       | 80mVp-p     | 80mVp-p     | 80mVp-p     | 100mVp-p    | 150mVp-p    | 180mVp-p    | 240mVp-p    | 240mVp-p  |
|  | <b>VOLTAGE TOLERANCE</b> Note.4   | ±5.0%         | ±5.0%       | ±5.0%       | ±3.0%       | ±3.0%       | ±3.0%       | ±2.0%       | ±2.0%       | ±2.0%     |
|  | <b>LINE REGULATION</b> Note.5   | ±1.0%         | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%     |
| <b>LOAD REGULATION</b> Note.6  | ±5.0%   | ±5.0%         | ±5.0%       | ±3.0%       | ±3.0%       | ±3.0%       | ±2.0%       | ±2.0%       | ±2.0%       |           |
| <b>SETUP, RISE, HOLD UP TIME</b>   | 500ms, 20ms, 50ms/230VAC      500ms, 20ms, 15ms/115VAC at full load   |               |             |             |             |             |             |             |             |           |
| INPUT  | <b>VOLTAGE RANGE</b>  |               |             |             |             |             |             |             |             |           |
|  | 90 ~ 264VAC    135 ~ 370VDC   |               |             |             |             |             |             |             |             |           |
|  | <b>FREQUENCY RANGE</b>  |               |             |             |             |             |             |             |             |           |
|  | 47 ~ 63Hz   |               |             |             |             |             |             |             |             |           |
|  | <b>EFFICIENCY (Typ.)</b>  | 78.5%         | 81.5%       | 82.5%       | 84.5%       | 84.5%       | 84.5%       | 85.5%       | 85.5%       | 87%       |
|  | <b>AC CURRENT</b>   | 0.7A / 100VAC |             |             |             |             |             |             |             |           |
| PROTECTION   | <b>OVERLOAD</b>   |               |             |             |             |             |             |             |             |           |
|  | 110 ~ 150% rated output power   |               |             |             |             |             |             |             |             |           |
|  | Protection type : Hiccup mode, recovers automatically after fault condition is removed  |               |             |             |             |             |             |             |             |           |
|  | <b>OVER VOLTAGE</b>   |               |             |             |             |             |             |             |             |           |
| 105 ~ 135% rated output voltage  |   |               |             |             |             |             |             |             |             |           |
| Protection type : Clamp by zener diode                                   |   |               |             |             |             |             |             |             |             |           |
| ENVIRONMENT  | <b>WORKING TEMP.</b>  |               |             |             |             |             |             |             |             |           |
|  | 0 ~ +50°C (Refer to "Derating Curve")   |               |             |             |             |             |             |             |             |           |
|  | <b>WORKING HUMIDITY</b>   |               |             |             |             |             |             |             |             |           |
|  | 20% ~ 90% RH non-condensing   |               |             |             |             |             |             |             |             |           |
|  | <b>STORAGE TEMP., HUMIDITY</b>  |               |             |             |             |             |             |             |             |           |
| -20 ~ +85°C, 10 ~ 95% RH   |   |               |             |             |             |             |             |             |             |           |
| <b>TEMP. COEFFICIENT</b>   |   |               |             |             |             |             |             |             |             |           |
| ±0.03% / °C (0 ~ 50°C)   |   |               |             |             |             |             |             |             |             |           |
| <b>VIBRATION</b>   |   |               |             |             |             |             |             |             |             |           |
| 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes  |   |               |             |             |             |             |             |             |             |           |
| SAFETY & EMC (Note. 7)   | <b>SAFETY STANDARDS</b>   |               |             |             |             |             |             |             |             |           |
|  | TUV EN60950-1 approved  |               |             |             |             |             |             |             |             |           |
|  | <b>WITHSTAND VOLTAGE</b>  |               |             |             |             |             |             |             |             |           |
|  | I/P-O/P:4242VDC   |               |             |             |             |             |             |             |             |           |
|  | <b>ISOLATION RESISTANCE</b>   |               |             |             |             |             |             |             |             |           |
| I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH                               |   |               |             |             |             |             |             |             |             |           |
| <b>EMC EMISSION</b>  |   |               |             |             |             |             |             |             |             |           |
| Compliance to EN55022, EN61000-3-2,3                                     |   |               |             |             |             |             |             |             |             |           |
| <b>EMC IMMUNITY</b>  |   |               |             |             |             |             |             |             |             |           |
| Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A |   |               |             |             |             |             |             |             |             |           |
| OTHERS   | <b>MTBF</b>   |               |             |             |             |             |             |             |             |           |
|  | 500Khrs min. MIL-HDBK-217F(25°C)  |               |             |             |             |             |             |             |             |           |
|  | <b>DIMENSION</b>  |               |             |             |             |             |             |             |             |           |
| 79*54*33mm (L*W*H)   |   |               |             |             |             |             |             |             |             |           |
| <b>PACKING</b>   |   |               |             |             |             |             |             |             |             |           |
| 210g / 60pcs / 13.5kg / CARTON   |   |               |             |             |             |             |             |             |             |           |
| CONNECTOR  | <b>PLUG</b>   |               |             |             |             |             |             |             |             |           |
|  | See page2   |               |             |             |             |             |             |             |             |           |
| <b>CABLE</b>   |   |               |             |             |             |             |             |             |             |           |
| See page2  |   |               |             |             |             |             |             |             |             |           |
| NOTE   | <p>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</p> <p>3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</p> <p>4.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p> <p>6.Load regulation is measured from 20% to 100% rated load</p> <p>7.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.</p> |               |             |             |             |             |             |             |             |           |

■ Mechanical Specification

Unit:mm

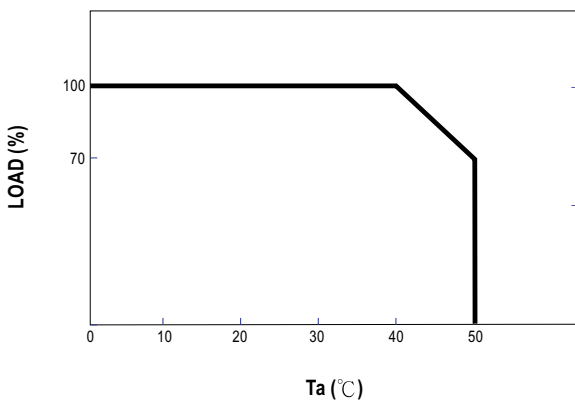


■ Plug Assignment

Standard plug: P1J

| P1J    |        |
|--------|--------|
| P/N    | OUTPUT |
| CENTER | +      |

■ Derating Curve



■ Static Characteristics

