



■ Features :

- Universal AC input / Full range
- No load power consumption < 0.3W
- Energy efficiency Level V
- Comply with EISA 2007, NRCan, AU/NZ MEPS and EU ErP
- 3 pole AC inlet IEC320-C14
- Class I power ( with earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- LED indicator for power on
- 2 years warranty



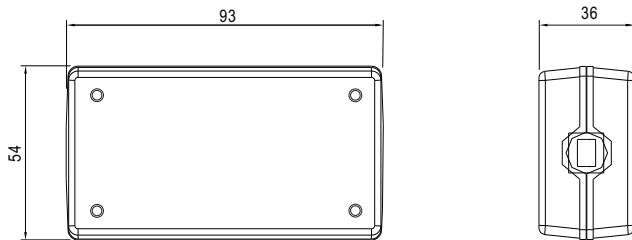
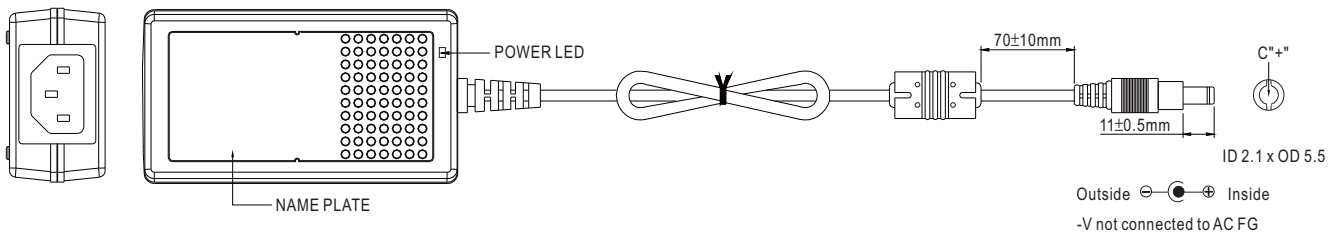
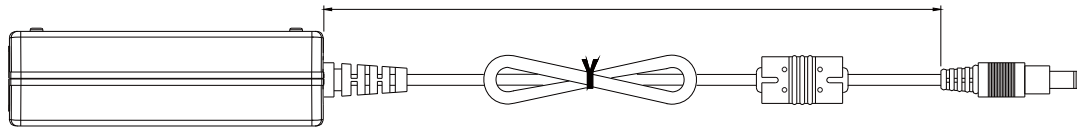
SPECIFICATION

| ORDER NO.                 | GS25A05-P1J   | GS25A07-P1J   | GS25A09-P1J | GS25A12-P1J | GS25A15-P1J | GS25A18-P1J | GS25A24-P1J | GS25A28-P1J | GS25A48-P1J |           |
|---------------------------|---|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| OUTPUT                    | SAFETY MODEL NO.  | GS25A05   | GS25A07     | GS25A09     | GS25A12     | GS25A15     | GS25A18     | GS25A24     | GS25A28     | GS25A48   |
|                           | DC VOLTAGE <small>Note.2</small>  | 5V  | 7.5V        | 9V          | 12V         | 15V         | 18V         | 24V         | 28V         | 48V       |
|                           | RATED CURRENT   | 4.0A  | 2.93A       | 2.77A       | 2.08A       | 1.66A       | 1.38A       | 1.04A       | 0.89A       | 0.52A     |
|                           | CURRENT RANGE   | 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 |
|                           | RATED POWER (max.)  | 20W   | 22W         | 25W         | 25W         | 25W         | 25W         | 25W         | 25W         | 25W       |
|                           | RIPPLE & NOISE (max.) <small>Note.3</small>   | 50mVp-p   | 80mVp-p     | 80mVp-p     | 80mVp-p     | 100mVp-p    | 150mVp-p    | 180mVp-p    | 240mVp-p    | 240mVp-p  |
|                           | VOLTAGE TOLERANCE <small>Note.4</small>   | ±5.0%   | ±5.0%       | ±5.0%       | ±3.0%       | ±3.0%       | ±3.0%       | ±2.0%       | ±2.0%       | ±2.0%     |
|                           | LINE REGULATION <small>Note.5</small>   | ±1.0%   | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%     |
|                           | LOAD REGULATION <small>Note.6</small>   | ±5.0%   | ±5.0%       | ±5.0%       | ±3.0%       | ±3.0%       | ±3.0%       | ±2.0%       | ±2.0%       | ±2.0%     |
| SETUP, RISE, HOLD UP TIME | 500ms, 20ms, 50ms/230VAC      500ms, 20ms, 15ms/115VAC at full load   |   |             |             |             |             |             |             |             |           |
| INPUT                     | VOLTAGE RANGE   | 90 ~ 264VAC    135 ~ 370VDC   |             |             |             |             |             |             |             |           |
|                           | FREQUENCY RANGE   | 47 ~ 63Hz   |             |             |             |             |             |             |             |           |
|                           | EFFICIENCY (Typ.)   | 78.5%   | 81.5%       | 82.5%       | 84.5%       | 84.5%       | 84.5%       | 85.5%       | 85.5%       | 87%       |
|                           | AC CURRENT  | 0.7A / 100VAC   |             |             |             |             |             |             |             |           |
|                           | INRUSH CURRENT (max.)   | 45A / 230VAC  |             |             |             |             |             |             |             |           |
| LEAKAGE CURRENT(max.)     | 0.75mA / 240VAC   |   |             |             |             |             |             |             |             |           |
| PROTECTION                | OVERLOAD  | 110 ~ 150% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |             |             |             |             |             |             |             |           |
|                           | OVER VOLTAGE  | 105 ~ 135% rated output voltage<br>Protection type : Clamp by zener diode   |             |             |             |             |             |             |             |           |
| ENVIRONMENT               | WORKING TEMP.   | 0 ~ +50°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 (0~40°C)  |             |             |             |             |             |             |             |           |
| SAFETY & EMC (Note. 7)    | WORKING VIBRATION   | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes   |             |             |             |             |             |             |             |           |
|                           | SAFETY STANDARDS  | UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1(5~28V only) approved                       |             |             |             |             |             |             |             |           |
|                           | WITHSTAND VOLTAGE   | I/P-O/P:4242VDC, I/P-FG:2121VDC   |             |             |             |             |             |             |             |           |
|                           | ISOLATION RESISTANCE  | I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  |             |             |             |             |             |             |             |           |
|                           | EMC EMISSION  | Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1        |             |             |             |             |             |             |             |           |
| OTHERS                    | EMC IMMUNITY  | Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A  |             |             |             |             |             |             |             |           |
|                           | MTBF  | 500Khrs min. MIL-HDBK-217F(25°C)  |             |             |             |             |             |             |             |           |
|                           | DIMENSION   | 93*54*36mm (L*W*H)  |             |             |             |             |             |             |             |           |
| CONNECTOR                 | PACKING   | 230g ; 60pcs / 15kg / CARTON  |             |             |             |             |             |             |             |           |
|                           | PLUG  | See page 2 ; Other type available by customer requested   |             |             |             |             |             |             |             |           |
|                           | CABLE   | See page 2 ; Other type available by customer requested   |             |             |             |             |             |             |             |           |
| 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."<br/>(as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p> |   |             |             |             |             |             |             |             |           |

■ Mechanical Specification

Unit:mm

UL1185 16AWG 1230±50mm for 5~12V  
 UL1185 18AWG 1830±50mm for 15~48V

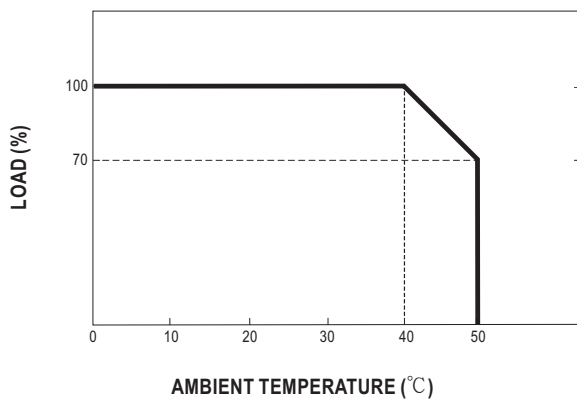


■ Plug Assignment

Standard plug: P1J

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

■ Derating Curve



■ Static Characteristics

