



■ Features :

- Universal AC input / Full range
- No load power consumption < 0.3W
- Energy efficiency Level V
- Comply with EISA 2007 and NRCan
- 2 pole USA plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- LED indicator for power on
- 2 years warranty

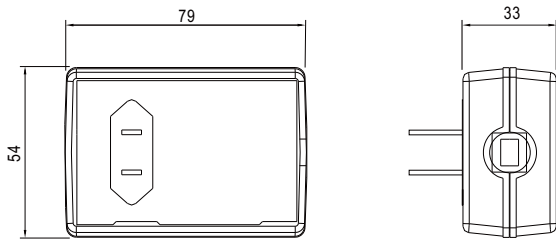
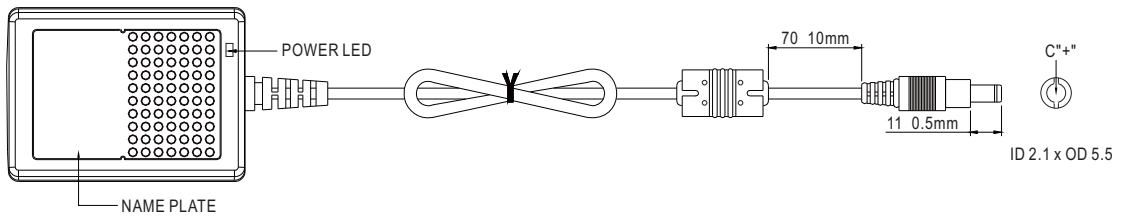
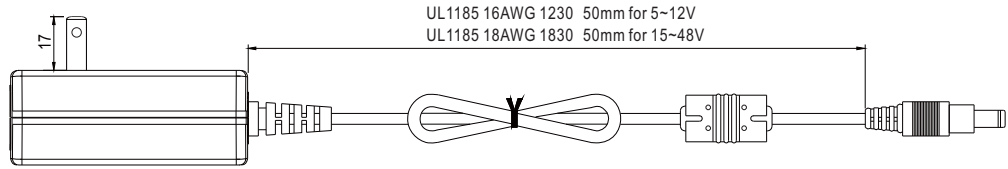


SPECIFICATION

| ORDER NO.                             | GS18U05-P1J   | GS18U07-P1J   | GS18U09-P1J | GS18U12-P1J | GS18U15-P1J | GS18U18-P1J | GS18U24-P1J | GS18U28-P1J | GS18U48-P1J |            |
|---------------------------------------|---|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| OUTPUT                                | SAFETY MODEL NO.  | GS18U05   | GS18U07     | GS18U09     | GS18U12     | GS18U15     | GS18U18     | GS18U24     | GS18U28     | GS18U48    |
|                                       | DC VOLTAGE <small>Note.2</small>  | 5V  | 7.5V        | 9V          | 12V         | 15V         | 18V         | 24V         | 28V         | 48V        |
|                                       | RATED CURRENT   | 3.0A  | 2.0A        | 2.0A        | 1.50A       | 1.20A       | 1.0A        | 0.75A       | 0.64A       | 0.375A     |
|                                       | CURRENT RANGE   | 0 ~ 3.0A  | 0 ~ 2.0A    | 0 ~ 2.0A    | 0 ~ 1.50A   | 0 ~ 1.20A   | 0 ~ 1.0A    | 0 ~ 0.75A   | 0 ~ 0.64A   | 0 ~ 0.375A |
|                                       | RATED POWER (max.)  | 15W   | 15W         | 18W         | 18W         | 18W         | 18W         | 18W         | 18W         | 18W        |
|                                       | 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.)   | 79.5%   | 82%         | 83%         | 85%         | 85%         | 85%         | 86%         | 86.5%       | 87%        |
|                                       | AC CURRENT  | 0.5A / 100VAC   |             |             |             |             |             |             |             |            |
|                                       | INRUSH CURRENT (max.)   | 25A / 115VAC  |             |             |             |             |             |             |             |            |
| LEAKAGE CURRENT(max.)                 | 0.25mA / 240VAC   |   |             |             |             |             |             |             |             |            |
| PROTECTION                            | OVERLOAD  | 110 ~ 150% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |             |             |             |             |             |             |             |            |
|                                       | OVER VOLTAGE  | 105 ~ 150% rated output voltage<br>Protection type : Clamp by zener diode, output short                                 |             |             |             |             |             |             |             |            |
| 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)  |             |             |             |             |             |             |             |            |
| VIBRATION                             | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes   |   |             |             |             |             |             |             |             |            |
| SAFETY & EMC <small>(Note. 7)</small> | SAFETY STANDARDS  | UL60950-1, CSA C22.2, BSMI, CNS14336 approved   |             |             |             |             |             |             |             |            |
|                                       | WITHSTAND VOLTAGE   | I/P-O/P:4242VDC   |             |             |             |             |             |             |             |            |
|                                       | ISOLATION RESISTANCE  | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH  |             |             |             |             |             |             |             |            |
|                                       | EMC EMISSION  | Compliance to FCC PART 15 / CISPR22 class B, CNS13438 class B   |             |             |             |             |             |             |             |            |
| OTHERS                                | MTBF  | 500Khrs min. MIL-HDBK-217F(25 )   |             |             |             |             |             |             |             |            |
|                                       | DIMENSION   | 79*54*33mm (L*W*H)  |             |             |             |             |             |             |             |            |
|                                       | PACKING   | 210g ; 60pcs / 13.5kg / CARTON  |             |             |             |             |             |             |             |            |
| CONNECTOR                             | 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 115VAC 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

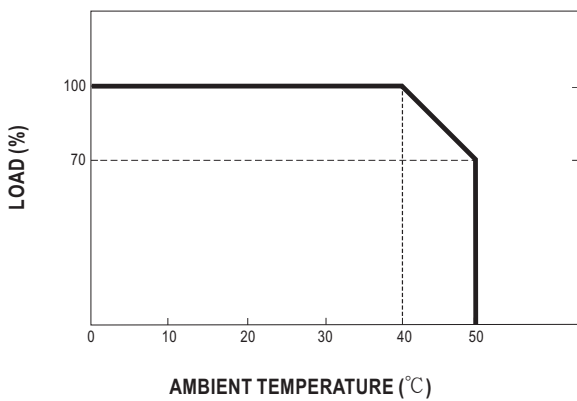


■ Plug Assignment

Standard plug: P1J

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

■ Derating Curve



■ Static Characteristics

