



20~25W AC-DC Single Output Wall-mounted type

GS25U series



■ Features :

- Universal AC input / Full range
- No load power consumption<0.5W
- Pass energy star(CEC) level IV regulation
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole USA plug
- Class II power (without earth pin)
- Full output 5~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: UL / CUL / BSMI / CB / FCC
- Pass LPS for 9~48V output
- 2 years warranty

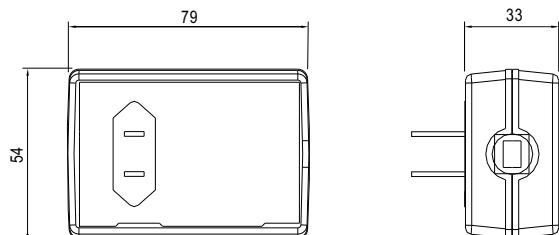
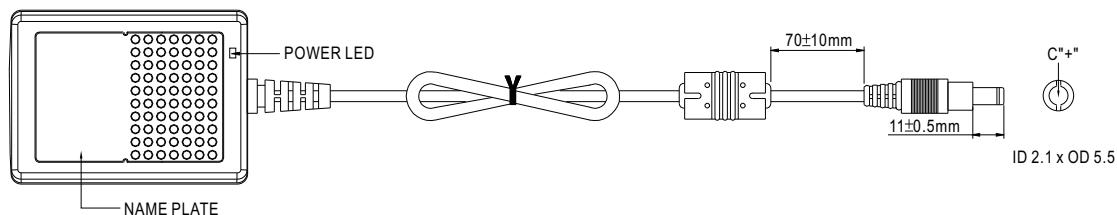
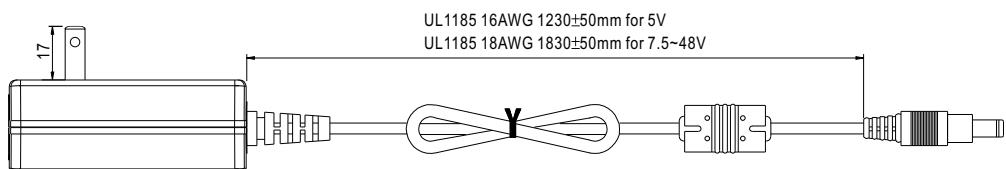


SPECIFICATION

| ORDER NO. | GS25U05-P1J | GS25U07-P1J | GS25U09-P1J | GS25U12-P1J | GS25U15-P1J | GS25U18-P1J | GS25U24-P1J | GS25U28-P1J | GS25U48-P1J | | | | | | |
|---------------------------|--|---|-------------|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-----------|--|--|--|--|--|
| OUTPUT | SAFETY MODEL NO. | GS25U05 | GS25U07 | GS25U09 | GS25U12 | GS25U15 | GS25U18 | GS25U24 | GS25U28 | GS25U48 | | | | | |
| | DC VOLTAGE Note.2 | 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.) Note.3 | 50mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 180mVp-p | 240mVp-p | 240mVp-p | | | | | |
| | VOLTAGE TOLERANCE Note.4 | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | ±2.0% | | | | | |
| | LINE REGULATION Note.5 | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | | | | | |
| | LOAD REGULATION Note.6 | ±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.) | 74% | 78% | 79% | 81% | 82% | 82% | 83% | 83% | | | | | | |
| | AC CURRENT | 0.7A / 100VAC | | | | | | | | | | | | | |
| | INRUSH CURRENT (max.) | 25A / 115VAC | | | | | | | | | | | | | |
| PROTECTION | LEAKAGE CURRENT(max.) | 0.25mA / 240VAC | | | | | | | | | | | | | |
| | OVERLOAD | 110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | | | | | | |
| | OVER VOLTAGE | 105 ~ 135% rated output voltage Protection type : Clamp by zener diode | | | | | | | | | | | | | |
| ENVIRONMENT | WORKING TEMP. | 0 ~ +50°C (Refer to output load 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, period for 60min. each along X, Y, Z axes | | | | | | | | | | | | | |
| SAFETY & EMC (Note. 7) | 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 | | | | | | | | | | | | | |
| | EMI CONDUCTION & RADIATION | Compliance to FCC PART 15 / CISPR22 class B, CNS13438 class B | | | | | | | | | | | | | |
| OTHERS | MTBF | 500Khrs min. MIL-HDBK-217F(25°C) | | | | | | | | | | | | | |
| | DIMENSION | 79*54*33mm (L*W*H) | | | | | | | | | | | | | |
| CONNECTOR | PACKING | 210g ; 60pcs / 13.5kg / CARTON | | | | | | | | | | | | | |
| | PLUG | Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested | | | | | | | | | | | | | |
| | CABLE | Standard type UL1185 6ft (4FT only for 5V output) for stock ; Other type available by customer requested | | | | | | | | | | | | | |
| NOTE | 1. All parameters are specified at 115VAC input, rated load, 25°C 70% RH ambient. 2. DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4. Tolerance: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 6. Load regulation is measured from 20% to 100% rated load. 7. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | | | | | | | | | | | | | | |

■ Mechanical Specification

Unit:mm

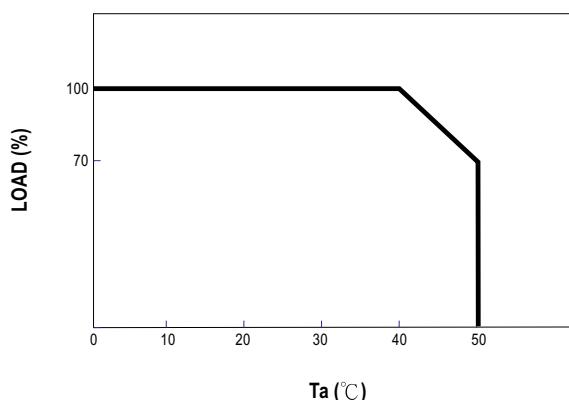


■ Plug Assignment

Standard plug: P1J (option)

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

■ Derating Curve



■ Static Characteristics

