



12~15W AC-DC Single Output Desktop

GS15A series



■ Features :

- Universal AC input / Full range
- No load power consumption <0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / CB / FCC / CE
- 2 years warranty

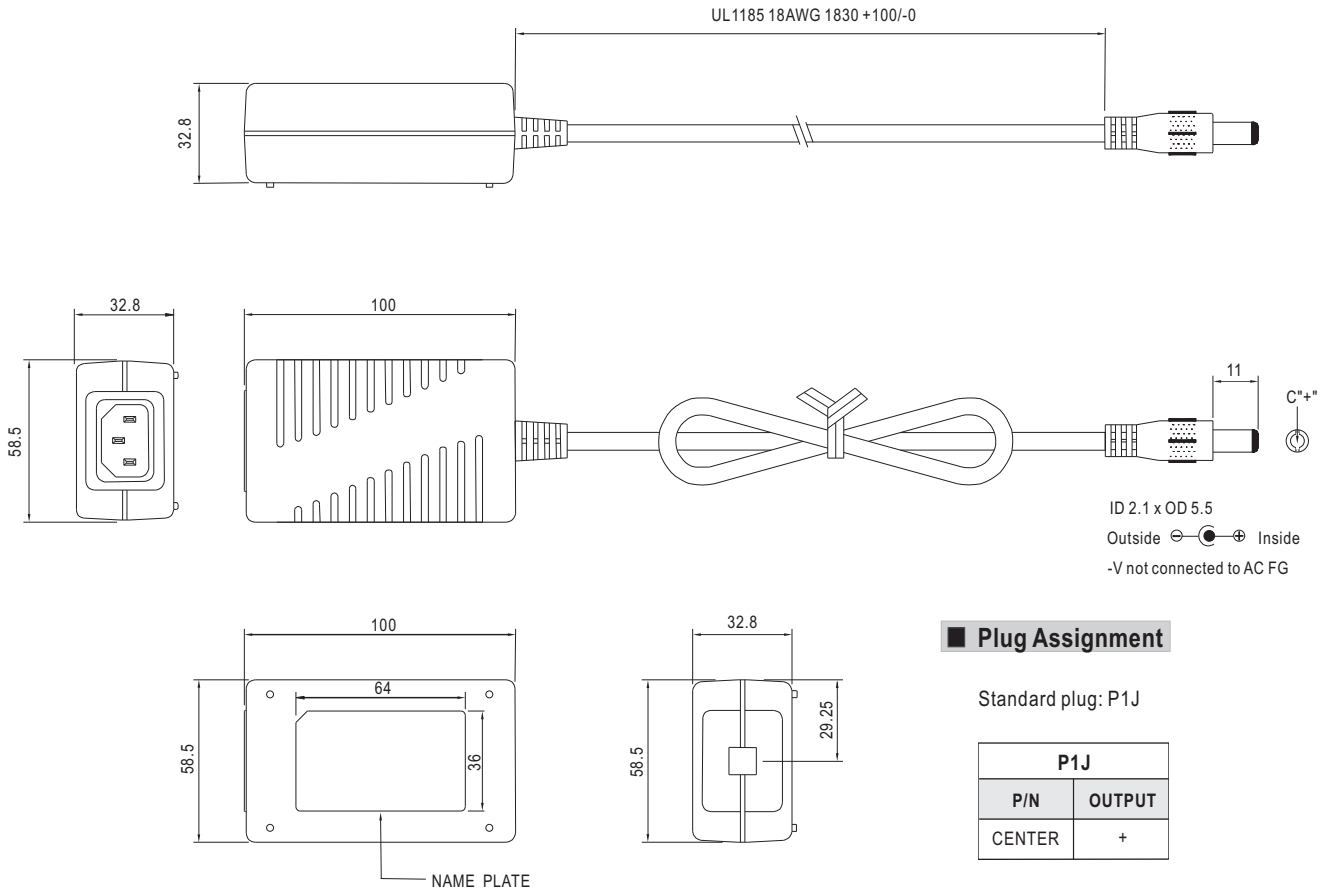


SPECIFICATION

| ORDER NO. | GS15A-1P1J | GS15A-11P1J | GS15A-2P1J | GS15A-3P1J | GS15A-4P1J | GS15A-5P1J | GS15A-6P1J | GS15A-8P1J | |
|---------------------------|---|--|-------------|------------|------------|------------|------------|------------|-----------|
| OUTPUT | SAFETY MODEL NO. | GPSU15A-1 | GPSU15A-1-1 | GPSU15A-2 | GPSU15A-3 | GPSU15A-4 | GPSU15A-5 | GPSU15A-6 | GPSU15A-8 |
| | DC VOLTAGE Note.2 | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 48V |
| | RATED CURRENT | 2.40A | 1.60A | 1.66A | 1.25A | 1.00A | 0.83A | 0.62A | 0.31A |
| | CURRENT RANGE | 0 ~ 2.40A | 0 ~ 1.60A | 0 ~ 1.66A | 0 ~ 1.25A | 0 ~ 1.00A | 0 ~ 0.83A | 0 ~ 0.62A | 0 ~ 0.31A |
| | RATED POWER | 12W | 12W | 15W | 15W | 15W | 15W | 15W | 15W |
| | RIPPLE & NOISE (max.) Note.3 | 50mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 120mVp-p | 150mVp-p | 240mVp-p |
| | VOLTAGE ADJ. RANGE | 5 ~ 6V | 6 ~ 8V | 8 ~ 11V | 11 ~ 13V | 13 ~ 16V | 16 ~ 21V | 21 ~ 27V | 33 ~ 48V |
| | VOLTAGE TOLERANCE Note.4 | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% |
| | LINE REGULATION Note.5 | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | LOAD REGULATION Note.6 | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% |
| SETUP, RISE, HOLD UP TIME | 3000ms, 50ms, 16ms at full load | | | | | | | | |
| INPUT | VOLTAGE RANGE | 90 ~ 264VAC 135 ~ 370VDC | | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | |
| | EFFICIENCY (Typ.) Note.7 | 75% | 78% | 80% | 80% | 80% | 81% | 83% | 85% |
| | AC CURRENT | 0.5A / 100VAC | | | | | | | |
| | INRUSH CURRENT (max.) | 50A / 230VAC | | | | | | | |
| LEAKAGE CURRENT(max.) | 0.25mA / 240VAC | | | | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | |
| | OVER VOLTAGE | >120% rated output voltage 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 ~ 50°C) | | | | | | | |
| VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | |
| SAFETY & EMC (Note. 8) | SAFETY STANDARDS | UL60950-1, CSA22.2, EN60950-1 approved | | | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC , I/P-FG:1.5KVAC | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | |
| | EMC EMISSION | Compliance to EN55022, EN61000-3-2,3, FCC part 15 Class B | | | | | | | |
| EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A | | | | | | | | |
| OTHERS | MTBF | 500Khrs min. MIL-HDBK-217F(25°C) | | | | | | | |
| | DIMENSION | 100*58.5*32.8mm (L*W*H) | | | | | | | |
| CONNECTOR | PACKING | 190g ; 90pcs / 18Kg / 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 18Awg UL1185 6ft and 5ft for 3.3V output only for stock ; Other type available by customer requested | | | | | | | | |
| NOTE | 1.All parameters are specified at 230VAC 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, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load 7.Efficiency is measured at 230VAC. 8.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

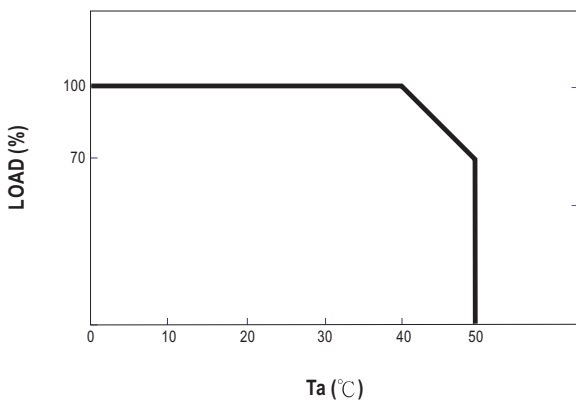


Plug Assignment

Standard plug: P1J

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

Derating Curve



Static Characteristics

