



■ Features

- Ultra slim
- Universal AC input / Full range
- 2 pole EURO plug
- No load power consumption <0.075W
- **Energy efficiency Level VI**
- Comply with EU ErP and meet CoC version 5
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- 3 years warranty

■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

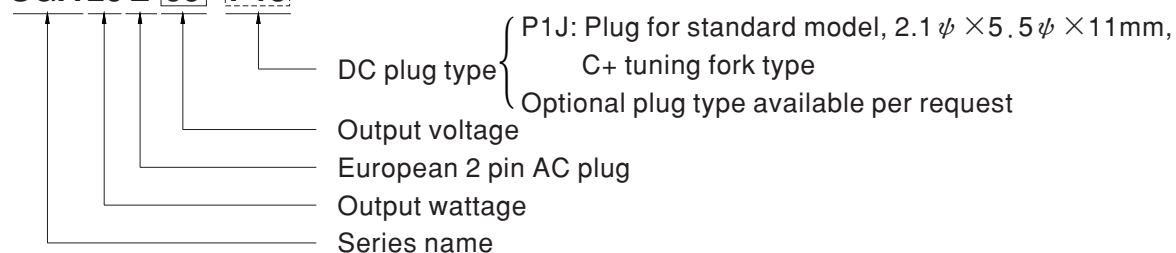
■ Description

SGA25E is a 25W ultra slim wall-mounted style single-output green adaptor series, which is compact and convenient for carry. SGA25E is a class II power unit (without FG) equipped with the standard 2-Pole European plug, accepting the input range from 90VAC to 264VAC. The whole series provides different models with output voltages ranging between 5VDC and 48VDC that it can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 88% and the extremely low no-load power consumption below 0.075W, SGA25E is compliant with EU ErP and meet CoC version 5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for international safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazards.

■ Model Encoding

SGA 25 E 05 -P1J

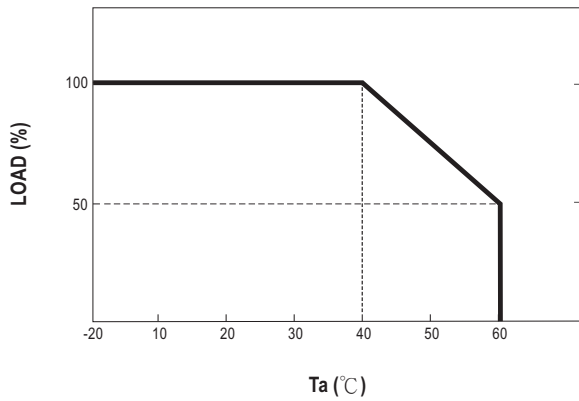




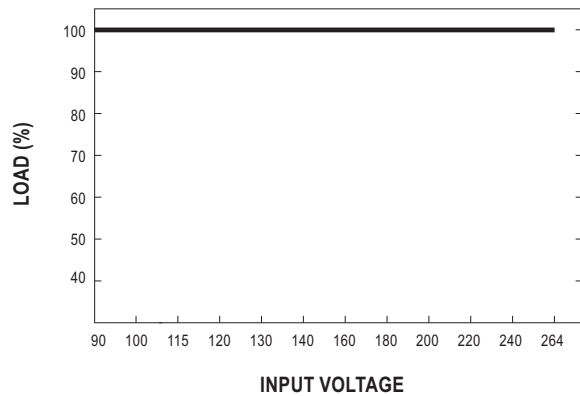
SPECIFICATION

| ORDER NO. | SGA25E05-P1J | SGA25E07-P1J | SGA25E09-P1J | SGA25E12-P1J | SGA25E15-P1J | SGA25E18-P1J | SGA25E24-P1J | SGA25E48-P1J | | |
|---------------------------|--|--|--------------|----------------|--------------|--------------|--------------|-------------------------------|-----------|--|
| OUTPUT | SAFETY MODEL NO. | SGA25E05 | SGA25E07 | SGA25E09 | SGA25E12 | SGA25E15 | SGA25E18 | SGA25E24 | SGA25E48 | |
| | DC VOLTAGE Note.2 | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 48V | |
| | RATED CURRENT | 4A | 2.93A | 2.77A | 2.08A | 1.66A | 1.38A | 1.04A | 0.52A | |
| | CURRENT RANGE | 0 ~ 4A | 0 ~ 2.93A | 0 ~ 2.77A | 0 ~ 2.08A | 0 ~ 1.66A | 0 ~ 1.38A | 0 ~ 1.04A | 0 ~ 0.52A | |
| | RATED POWER (max.) | 20W | 22W | 25W | 25W | 25W | 25W | 25W | 25W | |
| | RIPPLE & NOISE (max.) Note.3 | 80mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 120mVp-p | |
| | VOLTAGE TOLERANCE Note.4 | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | |
| | LINE REGULATION Note.5 | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | 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 | 300ms, 60ms, 18ms/230VAC 300ms, 60ms, 18ms/115VAC at full load | | | | | | | | | |
| INPUT | VOLTAGE RANGE Note.7 | 90 ~ 264VAC | | | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | | |
| | EFFICIENCY (Typ.) | 82.5% | 85.5% | 86.5% | 87% | 87% | 87.5% | 87.5% | 89% | |
| | AC CURRENT | 0.65A / 115VAC | | 0.25A / 230VAC | | | | | | |
| | INRUSH CURRENT (max.) | 40A / 115VAC | | 60A / 230VAC | | | | | | |
| | LEAKAGE CURRENT(max.) | 0.25mA / 240VAC | | | | | | | | |
| PROTECTION | OVERLOAD | 120 ~ 180% rated output power | | | | | | 150 ~ 250% rated output power | | |
| | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | |
| | OVER VOLTAGE | 110 ~ 140% rated output voltage | | | | | | | | |
| | Protection type : Clamp by zener diode, output short | | | | | | | | | |
| ENVIRONMENT | WORKING TEMP. | -20 ~ +60°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 (Note. 8) | SAFETY STANDARDS | TUV EN60950-1 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 EN55022 class B, EN61000-3-2,3 | | | | | | | | |
| | EMC IMMUNITY | Compliance to EN61000-4,-2,3,4,5,6,8,11, light industry level, criteria A | | | | | | | | |
| OTHERS | LIFE | 3 years : 100% load 40°C, 8hours / day | | | | | | | | |
| | MTBF | 450Khrs min. MIL-HDBK-217F(25°C) | | | | | | | | |
| | DIMENSION | 75.5*32*47.5mm (L*W*H) | | | | | | | | |
| | PACKING | 158g ; 60pcs / 10.5kg / CARTON | | | | | | | | |
| CONNECTOR | PLUG | See page 3 ; Other type available by customer requested | | | | | | | | |
| | CABLE | See page 3 ; 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 & 50% load.</p> <p>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 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 10% to 100% rated load</p> <p>7.Derating may be needed under low input voltages. Please check the static characteristics for more details.</p> <p>8.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." (as available on http://www.meanwell.com)</p> | | | | | | | | | |

Derating Curve

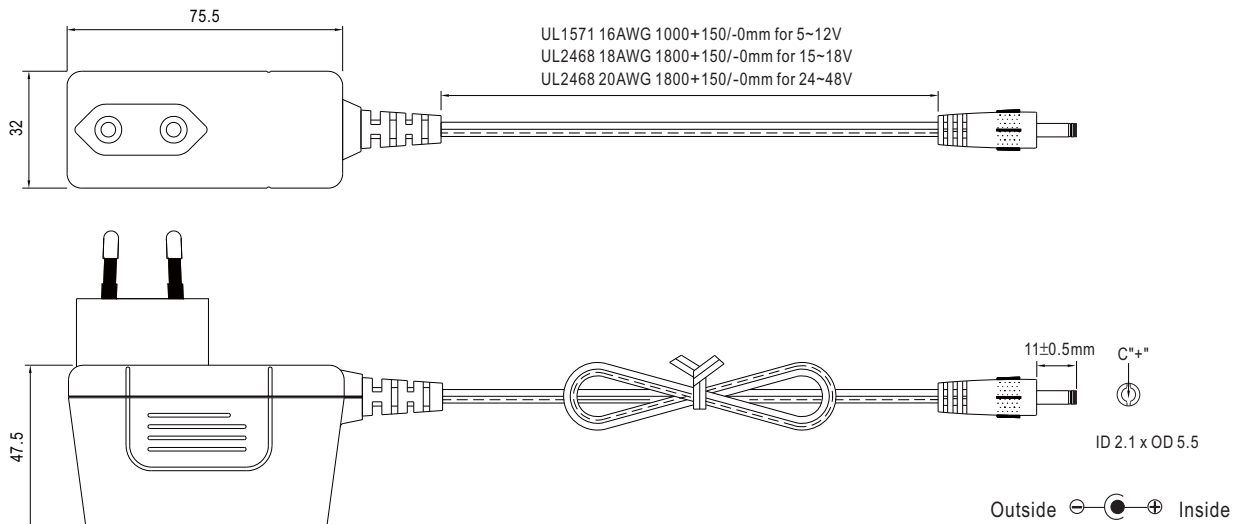


Static Characteristics



Mechanical Specification

Unit:mm



Plug Assignment

Standard plug: P1J

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

Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>