

Model: GP-RS25P Series

Approvals : IP65 CE FC

Features:

- * Constant Current Operation.
- * Universal AC input 90~305Vac.
- * For High Brightness Light-Emitting Diode Products.
- * Built-in Active PFC Function.
- * Fully Isolated Plastic Case.
- * Protections: OVP / SCP / OTP.
- * Operation From -20°C~50°C Full Load.
- * Class 2 Power Supply Unit.
- * IP65 Class.



Size: 110 * 74 * 33 mm (L*W*H)

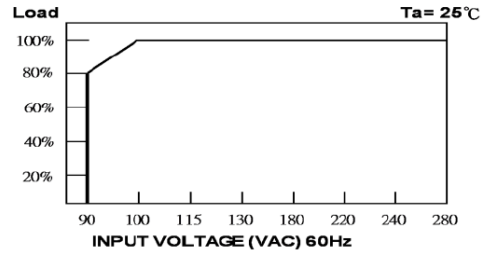
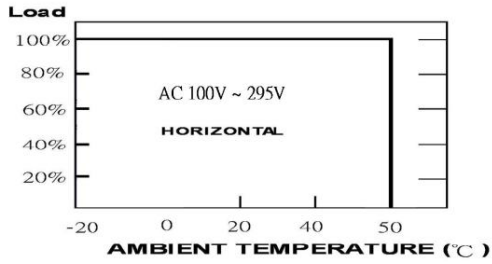


Specifications:

RS25P-xxC xx: for Output Voltage
C: mean that Constant Current Mode

| Model No. | | RS25P-12C | RS25P-24C | RS25P-36C | RS25P-48C | RS25P-57C |
|--------------|---|--|-----------|-----------|-----------|-----------|
| Output | DC Voltage Range | 9V ~ 12V | 12V ~ 24V | 24V ~ 36V | 36V ~ 48V | 48V ~ 57V |
| | Rated Current | 2100mA | 1050mA | 700mA | 500mA | 350mA |
| | Rated Power | 25.2W | 25.2W | 25.2W | 24W | 20W |
| | Ripple&Noise(Max.) Note.2 | 3V | | | | |
| | Efficiency at 240Vac(Typ.) | 80% | 80% | 80% | 80% | 80% |
| | Current Tolerance Note.3 | 7% | | | | |
| | Set up time (Max.) | 2.5 Sec / 115Vac | | | | |
| Input | Voltage Range(TYP.) | 100 ~ 277Vac | | | | |
| | Voltage Range(Min/Max) | 90 ~ 305Vac | | | | |
| | Frequency Range | 47 ~ 63 Hz | | | | |
| | AC Current (Max.) | 0.4A at 120Vac / 0.2A at 240Vac | | | | |
| | Power Factor | >0.98 @ 120 Vac / >0.9 @ 240Vac / full load | | | | |
| | Inrush Current (Max.) | COLD START 20A at 264 Vac | | | | |
| | Leakage Current | <0.25mA / 230 Vac | | | | |
| Protections | Short Circuit | YES, No Damage | | | | |
| | Over Voltage | 110% ~ 150% Output Voltage | | | | |
| | Over Temperature | Rth: By NTC define Type: auto-recover mode | | | | |
| Environment | Operation Temperature | -20°C~50°C full load | | | | |
| | Operation Humidity | 20% ~ 95% RH non-condensing. | | | | |
| | Storage Temp. | -40 ~ +80°C | | | | |
| | Storage Humidity | 10% ~ 95% RH | | | | |
| | Vibration | 10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. | | | | |
| Safety & EMC | Safety Standards | UL8750 , EN61347-1,EN61347-2-13, Independent ; IP65 Approved. | | | | |
| | Withstand Voltage | Meet I/P-O/P: 3.75KVAC | | | | |
| | Isolation Resistance | Meet I/P-O/P:100M ohms / 500VDC at 25 °C | | | | |
| | EMI Conduction & Radiation | Meet Compliance to EN55015,FCC part 15 | | | | |
| | Harmonic Current | Meet Compliance to EN61000-3-2 Class C | | | | |
| | EMS Immunity | Meet Compliance to EN61000-4-2,3,4,5,6,11;EN61547 | | | | |
| Others | MTBF | 200K hours min. MIL-HDBK-217F(25°C) | | | | |
| | Dimension(L*W*H) | X*X*X mm | | | | |
| | Packing(L*W*H)/Carton | Xpcs/Carton | | | | |
| | Weight | X Kg | | | | |
| Note | 1. All specifications not specially mentioned are measured at 230Vac and 25 °C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 3. Current Tolerance: includes line regulation, load regulation and set-up tolerance. | | | | | |

Derating Curve



Mechanical Specification

