

Model: GP-HS10P Series (12 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Constant Current Design.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Built-in Constant Current Limiting Design.
- Operation from -20°C ~ 60°C Full Load.
- Protections: OTP / SCP.
- Class II Power Design Without Earth Pin.
- IP67 Class .

Approvals

CE FC IP67 SELV



Size

110 * 35 * 25 mm (L*W*H)



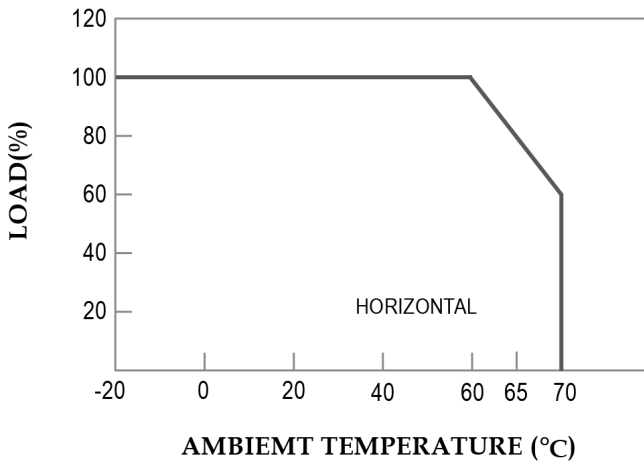
Specifications

| Model No. | | GP-HS10P-12C | GP-HS10P-24C | GP-HS10P-24C2 |
|-----------|---------------------|---------------------|--------------|---------------|
| Output | DC Voltage | 12V | 24V | 27V |
| | Rated Current Range | 1000mA | 500mA | 350mA |
| | Rated Max. Power | 12W | 12W | 9.5W |
| | Efficiency | 81% | 83% | 82% |
| | DC Voltage Range | 8 ~ 12V | 14 ~ 24V | 14 ~ 27V |
| | Current Tolerance | ±5% | ±5% | ±5% |
| | Set up Time (Max) | <500ms at full load | | |

| Model No. | | GP-HS10P-36C1 | GP-HS10P-36C2 | GP-HS10P-48C | GP-HS10P-48C1 |
|-------------|-------------------------|--|---------------|--------------|---------------|
| Output | DC Voltage | 36V | 36V | 48V | 48V |
| | Rated Current Range | 270mA | 350mA | 250mA | 270mA |
| | Rated Max. Power | 9.7W | 12.6W | 12W | 12.9W |
| | Efficiency | 81% | 83% | 84% | 81% |
| | DC Voltage Range | 24 ~ 36V | 20 ~ 36V | 26 ~ 48V | 26 ~ 48V |
| | Current Tolerance | ±5% | ±5% | ±5% | ±5% |
| | Set up Time (Max) | <500ms at full load | | | |
| Input | Voltage Range | 90VAC ~ 264VAC | | | |
| | Frequency Range | 47 Hz ~ 63 Hz | | | |
| | Power Factor Correction | ≥ 0.88/120VAC , ≥ 0.8/240VAC | | | |
| | AC Current | 0.2A at 115VAC / 0.1A at 230VAC | | | |
| | Inrush Current | 11A at 115VAC / 15A at 230VAC | | | |
| | Leakage Current | <0.25mA / 230VAC | | | |
| Protections | Over Temperature | Tc : 95°C ± 10°C; Type : Hiccup Mode | | | |
| | Short Circuit | Type : Hiccup Mode | | | |
| Environment | Operation Temp. | -20°C ~60°C full load. (Refer to output load derating curve) | | | |
| | 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 | meet EN61347-1,EN61347-2-13,UL8750 refer 1310 |
| | Withstand Voltage | I/P - O/P: 3.75 KVAC |
| | Isolation Resistance | I/P-O/P :100m ohms / 500VDC at 25°C |
| | EMI Conduction & Radiation | meet EN55015,FCC part15 B |
| | EMS Immunity | meet EN61000-4-2, 3, 4, 5, 6, 8, 11 , EN61547 |
| Others | MTBF | 200K hours min.MIL-HDBK-217F(25°C) |
| | Dimension(L x W x H) | 110 x 35 x 25mm; 136.2g/pcs |
| Remark | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | |

Derating Curve



Mechanical Specification

