

Model: GP-HS15P Series 15 Watts single output

Features

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

Approvals

CE FC IP67 SELV



Size

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

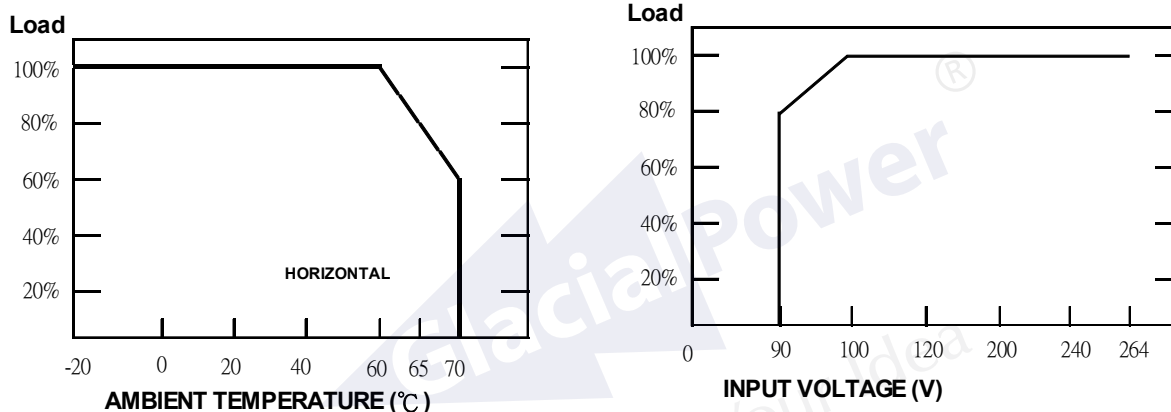


Specifications

Model No.		GP-HS15P-12V	GP-HS15P-24V	GP-HS15P-36V	GP-HS15P-48V
Output	DC Voltage	12V	24V	36V	48V
	Rated Current Range	0 ~ 1250mA	0 ~ 630mA	0 ~ 420mA	0 ~ 300mA
	Rated Max. Power	15W	15.1W	15.1W	14.4W
	Efficiency (at 240VAC)	81%	83%	83%	82.5%
	Voltage Tolerance	±5%	±5%	±5%	±5%
	Ripple & Noise	180mVpp	240mVpp	360mVpp	400mVpp
	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	0.25A at 115VAC / 0.1A at 230VAC			
	Inrush Current	11A at 115VAC / 15A at 230VAC			
	Max. Number of PSUs on Circuit Breaker	B type :7 units (10A) / 12 units (16A), C type : 12 units (10A) / 20 units (16A) at 230VAC			
	Leakage Current	<0.25mA / 230VAC			
Protections	Over Load	130% ~ 160% rated output power; Type : Hiccup Mode			
	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

