

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



Size

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



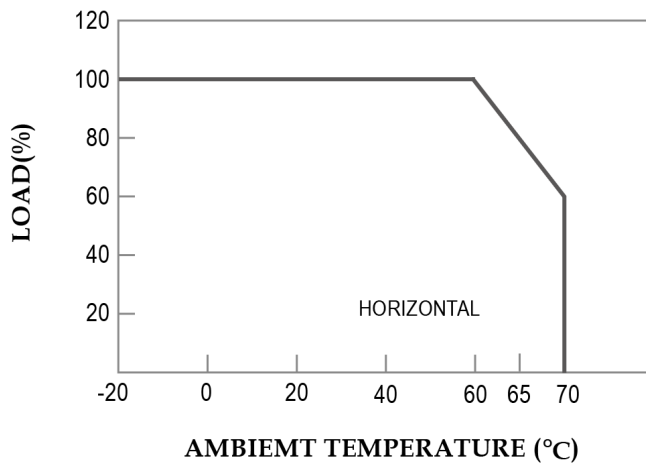
Specifications

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-36C	GP-HS10P-36C1	GP-HS10P-48C	GP-HS10P-48C1
Output	DC Voltage	36V	36V	48V	48V
	Rated Current Range	350mA	270mA	250mA	270mA
	Rated Max. Power	12.6W	9.7W	12W	12.9W
	Efficiency	83%	81%	84%	81%
	DC Voltage Range	24 ~ 36V	24 ~ 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

