

Model: GP-HS15P Series 15 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)

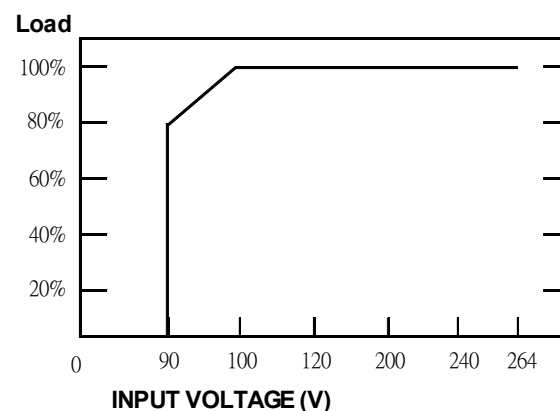
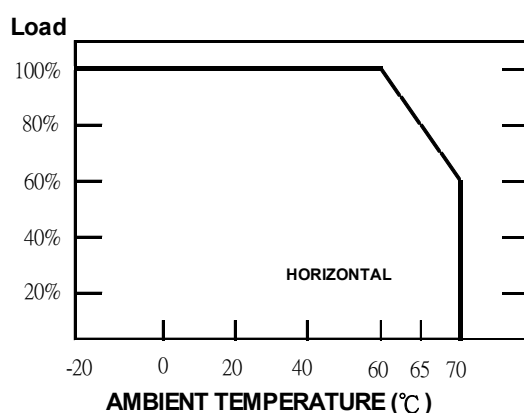


Specifications

Model No.		GP-HS15P-12C	GP-HS15P-22C1	GP-HS15P-30C	GP-HS15P-42C	GP-HS15P-48C
Output	DC Voltage	12V	24V	30V	42V	48V
	Rated Current Range	1250mA	700mA	500mA	350mA	300mA
	Rated Max. Power	15W	16.8W	15W	14.7W	14.4W
	Efficiency	81%	83%	83%	84%	84%
	DC Voltage Range	8 ~ 12V	14 ~ 24V	24 ~ 30V	26 ~ 42V	26 ~ 48V
	Current Tolerance	±5%	±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	0.25A 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 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, 6,11,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
Note	1. All parameters NOT specially mentioned are measured at 240VAC 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

