

Model: GP-HS25P Series

Features

- Universal AC Input 90~295VAC.
- Constant Voltage Operation.
- For High Brightness Light-Emitting Diode Products.
- Built-in PFC Function.
- Fully Isolated Plastic Case.
- Protections: OTP / SCP / OVP.
- THD < 20% at 240VAC/50Hz.
- Operation From -20°C ~50°C Full Load.
- Class 2 Power Supply Unit.
- IP67 Class.

Approvals

CE FCC cULus SELV IP67



Size

190 * 30.5 * 25 mm (L*W*H)

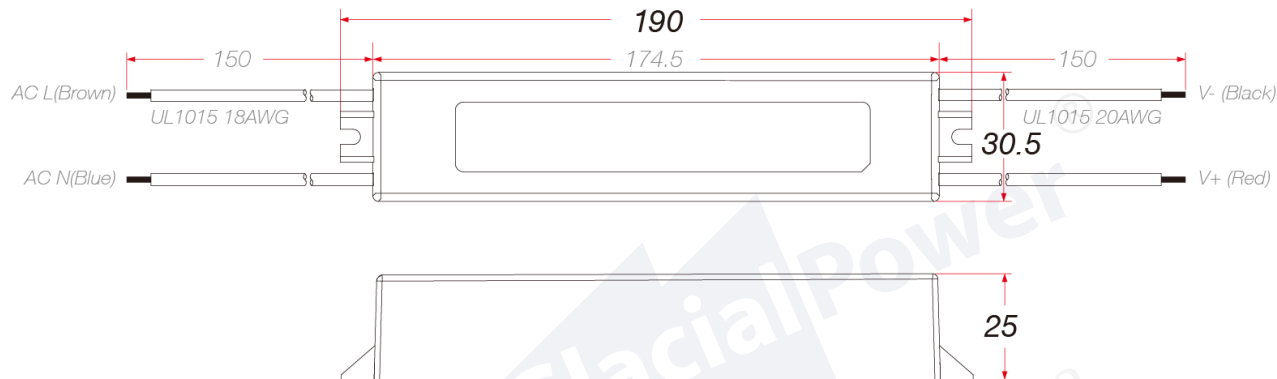


Specifications

Model No.		GP-HS25P-12V	GP-HS25P-18V	GP-HS25P-24V	GP-HS25P-36V	GP-HS25P-48V	GP-HS25P-52V
Output	DC Voltage	12V	18V	24V	36V	48V	52V
	Rated Current	0-2100mA	0-1400mA	0-1050mA	0-700mA	0-520mA	0-480mA
	Rated Power	25.2W	25.2W	25.2W	25.2W	24.9W	24.9W
	Ripple & Noise (Max.)	3V					4V
	Efficiency at 240VAC (Typ.)	82%	83%	84%	85%	83%	84%
	Voltage Tolerance	±5%					
	Set up time (Max.)	2.5 Sec / 115VAC					
Input	Voltage Range	90 ~ 295VAC					
	Frequency Range	47 ~ 63 Hz					
	AC Current (Max.)	0.4A at 120VAC / 0.2A at 240VAC					
	Power Factor	>0.98 at 120VAC / >0.9 at 240VAC / full load					
	Inrush Current (Max.)	COLD START 20A at 264VAC					
	Leakage Current	<0.25mA / 230VAC					
Protections	Over Load	Over rated current then output voltage derating					
	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 x W x H)	190 x 30.5 x 25mm; 209g/pcs
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. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.	

Mechanical Specification



Derating Curve

