

Model: GP-HS25P Series

Approvals IP65 CE FC cULUS (except for 48V,52V)

Features:

SELV EQUIVALENT   (for 48V,52V only)

- * Built-in Constant Voltage design.
- * Universal AC input 90~295Vac.
- * For High Brightness Light-Emitting Diode products.
- * Fully isolated plastic case.
- * Protections: OVP / SCP / OTP.
- * Operation from -20°C~50°C full load.
- * Class 2 Led Driver.
- * IP65 class

Size: 174.5 * 30.5 * 25 mm (L*W*H)



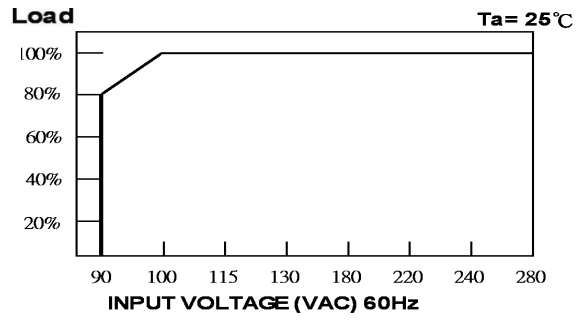
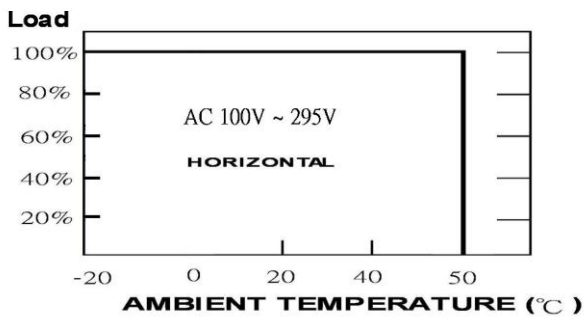
HS25P-xx xx: for Output Voltage
V: mean that Constant Voltage Mode

Specifications:

Model No.		HS25P-12V	HS25P-18V	HS25P-24V	HS25P-36V	HS25P-48V	HS25P-52V	
Output	DC Voltage	12V	18V	24V	36V	48V	52V	
	Rated Current	2100mA	1400mA	1050mA	700mA	520mA	480mA	
	Rated Power	25.2W	25.2W	25.2W	25.2W	24.96W	24.96W	
	Ripple&Noise(Max.) Note.2	3V						4V
	Efficiency at 240Vac(Typ.)	82%	83%	84%	85%	83%	84%	
	Voltage Tolerance Note.3	±5%						
	Set up time (Max.)	2.5 Sec / 115Vac						
Input	Voltage Range	90 ~ 277Vac / 127 ~ 417Vdc						
	Frequency Range	47 Hz ~ 63 Hz						
	AC Current (Max.)	0.4A at 120Vac / 0.2A at 240Vac						
	Power Factor	>0.98 @ 120 Vac / >0.9 @ 240Vac / full load						
	Inrush Current (Max.)	COLD START 20A at 264 Vac						
	Leakage Current	<0.25mA / 230 Vac						
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 ref UL1310 , 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, Light industry level,criteria A						
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)						
	Dimension(L*W*H)	174.5*30.5*25 mm						
	Packing(L*W*H)/Carton	50pcs/Carton						
	Weight	0.22 Kg						
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.							

preliminary specification

Derating Curve



Mechanical Specification

