

Model: GP-HS35P-48C

Features

- Universal AC Input 90~305VAC.
- Constant Voltage / Constant Current Operation.
- For High Brightness Light-Emitting Diode Products.
- Built-in PFC Function.
- Fully Isolated Plastic Case.
- Protections: OVP / SCP / OTP.
- Operation From -20°C ~50°C Full Load.
- Class 2 Power Supply Unit.
- IP67 Class.

Approvals



Size

110 x 73.5 x 33 mm (L x W x H)

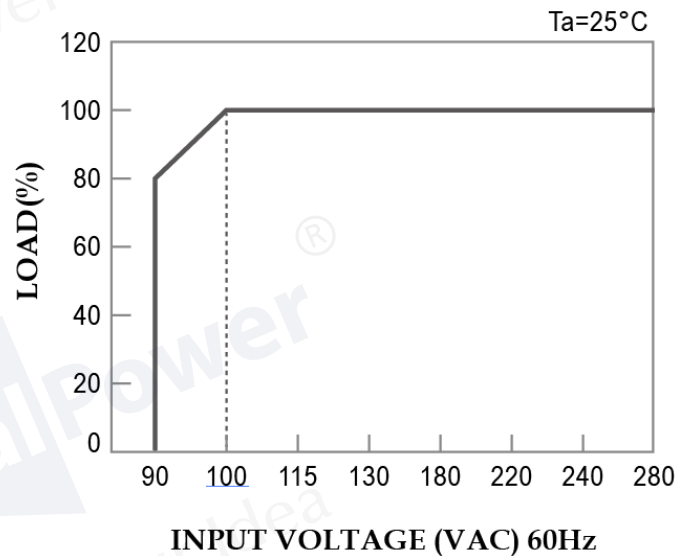
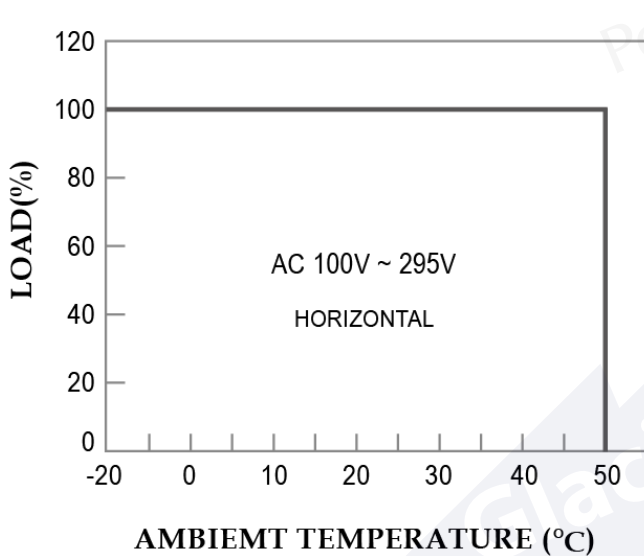


Specifications

Model No.		GP-HS35P-48C
Output	DC Voltage Range	33 ~ 48V
	Rated Current	700mA
	Rated Power	33.6W
	Ripple & Noise (Max.)	250mV
	Efficiency at 240VAC Heat engine(Min.)	83%
	Current Tolerance	±5%
	Set up time (Max.)	0.5 Sec / 230VAC / full load
	No Load Consumption (Max.)	< 0.5 W at 230VAC
Input	Nominal Voltage Range(TYP.)	100 ~ 277VAC
	Voltage Range(Min/Max)	90 ~ 305VAC
	Frequency Range	47 ~ 63 Hz
	AC Current (Max.)	0.5A at 120VAC / 0.3A at 240VAC
	Power Factor	>0.98 at 120 VAC/ full load / >0.95 at 240VAC / full load / >0.9 at 277VAC / full load
	Inrush Current (Max.)	COLD START 60A at 264VAC
	Leakage Current	<0.25mA / 230VAC
Protections	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.
	Over Voltage	115% ~ 135% Output Voltage Type: Latch mode
	Over Temperature	Thermistor:105°C ± 10°C (tc: 85°C ± 10°C) Type: Latch 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 ; IP67 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)	110 x 73.5 x 33mm; 356g/pcs
Note	<ol style="list-style-type: none"> All specifications not specially mentioned are measured at 240Vac and 25 °C ambient temperature. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. Current Tolerance: includes line regulation, load regulation and set-up tolerance. 	

Derating Curve



Mechanical Specification

