



## Model: GP-LS35P Series (Constant Voltage Mode)

Approvals : IP67 LPS CE FC

### Features:

- \* Universal AC input 90~264Vac.
- \* Class 2 Power Supply Unit.
- \* Constant Voltage Operation.
- \* Withstand 277Vac surge input for 10 seconds.
- \* Built-in ACTIVE PFC Function.
- \* Protections: OVP / OCP / SCP / OTP.
- \* Fully Insulated Case with IP67 Level.
- \* Cooling by free air convection.

 (12V, 24V, 30V only)  (48V only)

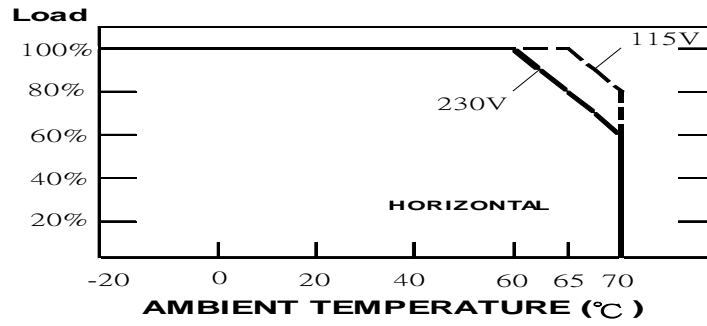
Size : 163 \* 45 \* 33 mm (L\*W\*H)



### Specifications:

Model No.		GP-LS35P-12B	GP-LS35P-24B	GP-LS35P-30B	GP-LS35P-48B
Output	Rated Voltage	12V	24V	30V	48V
	Rated Current(Max.)	2500mA	1250mA	1050mA	700mA
	Max.Power	30W	30W	31.5W	33.6W
	Ripple & Noise(Max.) Note.1	3Vp-p	3Vp-p	3Vp-p	4Vp-p
	Efficiency at 115Vac(Typ.)	82%	84%	85%	86%
	Voltage Tolerance Note.2	+5% , -5%			
Set up time (Max.)	1 sec. / 230Vac, 2 sec. / 115Vac, at full load.				
Input	Voltage Range	90 ~ 264 Vac or 127 ~ 370Vdc			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Max.)	0.4A at 115Vac / 0.25A at 230Vac			
	Power Factor	>0.95 at 115 Vac / >0.85 at 230Vac with full load.			
	Inrush Current (Max.)	60A at 230 Vac			
	Leakage Current	<0.5mA / 240 Vac			
Protections	Over Current	120~160% rated current. Type: Hiccup and recovers after fault condition disappeared.			
	Short Circuit	Type: Hiccup and recovers after fault condition disappeared.			
	Over Voltage	16 ~ 23	28 ~ 35	35 ~ 42V	52 ~ 60V
	Over Temperature	Tcase: 95°C ±10% Type: Auto-recovery Mode.			
Environment	Operation Temp.	-20°C~70°C (Refer to output load derating curve)			
	Operation Humidity	20% ~ 90% RH non-condensing.			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 90% RH			
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.			
Safety & EMC	Safety Standards	UL1310 Class 2, EN61347-1,EN61347-2-13 ,IP67 Approved.			
	Withstand Voltage	I/P - O/P: 3.75K VAC			
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25 °C			
	EMI Conduction & Radiation	Compliance to EN55015			
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3			
EMS Immunity	Compliance to EN61547,EN61000-4-2,3,4,5,6,11				
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	163 * 45 * 33 mm			
	Packing(L*W*H)/Carton	590 * 224 * 150 mm			
	Weight	0.37 Kg			
Note	1. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. 2. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 3. All specifications not specially mentioned are measured at 115Vac and 25 °C ambient temperature.				

## Derating Curve



## Mechanical Specification

