


Model: GP-LP075P Series / LED Driver

Approvals : IP67 LPS FCC CE C 

**Features:**

- \* Universal AC input 90~305Vac.
- \* Class 2 Power Supply Unit.
- \* Constant Current / Constant Voltage Operation.
- \* Built-in ACTIVE PFC Function.
- \* Protections: OVP / OCP / SCP / OTP.
- \* Fully Insulated Case with IP67 Level.
- \* Cooling by free air convection.
- \* Optional Dimming Type : GP-LP075-24□  
□: A for PWM/DC Dimming.

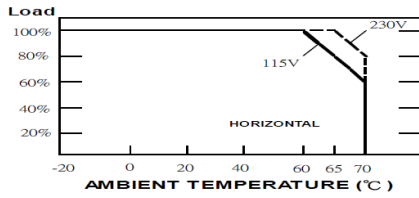
  
Size : 163 \* 45 \* 33 mm (L\*W\*H)



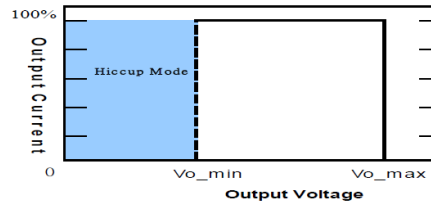
**Specifications:**

Model No.		GP-LP075P-24□	GP-LP075P-28□	GP-LP075P-36□	GP-LP075P-48□
	DC Voltage Range	12-24V	20-28V	24-36V	36-48V
	Rated Current	3150mA	2670mA	2100mA	1560mA
	Max.Power	75W	75W	75.6W	75W
	Ripple&Noise(Max.) Note.2	0.5Vp-p	0.5Vp-p	0.5Vp-p	0.5Vp-p
	Dimming Control(Optional)	0-10v/PWM Dimming	0-10v/PWM Dimming	0-10v/PWM Dimming	0-10v/PWM Dimming
	Voltage /CurrentTolerance Note.3	+5% , -5%			
	Efficiency at 230Vac	87%			
Set up time (Max.)	1 sec. / 230Vac, 2 sec. / 115Vac, at full load.				
Input	Voltage Range	90 ~ 305 Vac or 127 ~ 430Vdc			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Max.)	1A at 115Vac / 0.5A at 230Vac			
	Power Factor	>0.95 at 115 Vac / >0.9 at 230Vac with full load.			
	Inrush Current (Max.)	60A at 230 Vac			
	Leakage Current	<0.5mA / 240 Vac			
Protections	Over Current	110% rated current. Type: Current limit and recovers after fault condition disappeared.			
	Short Circuit	Type: Constant current limit and recovers after fault condition disappeared.			
	Over Voltage	110%-150% rated output voltage Type: Latch OFF Mode.			
	Over Temperature	Tcase: 95°C ±10% Type: Latch OFF 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	EN61347-1,EN61347-2-13 ,IP67 /UL8750/UL60950 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	EN55015			
	Harmonic Current	EN61000-3-2 Class C,EN61000-3-3			
Others	EMS Immunity	EN61000-4-2,3,4,5,6,8,11 Light industry level,criteria A			
	MTBF	370K hours min. MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	163 * 45 * 33 mm			
	Packing(L*W*H)/Carton	590 * 224 * 150 mm			
Note	Weight	0.37 Kg			
		1. All specifications not specially mentioned are measured at 115Vac and 25 °C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.			

### Derating Curve

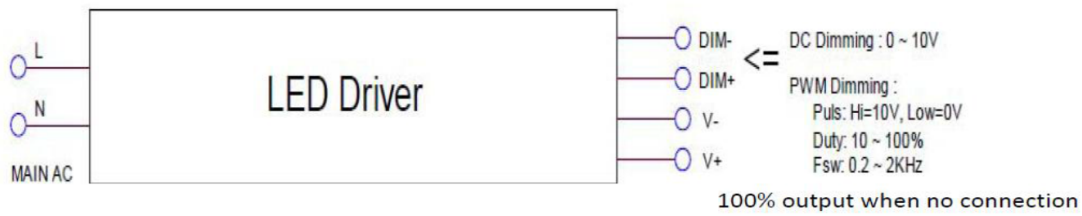


### Constant Voltage / Constant Current Curve



### Block Diagram(Dimming function by optional)

Type D



### Mechanical Specification

