

Model: GP-LP060P Series / LED Driver

Approvals : IP67 LPS FCC CE 

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-LP060-24
- : A for PWM/DC Dimming.



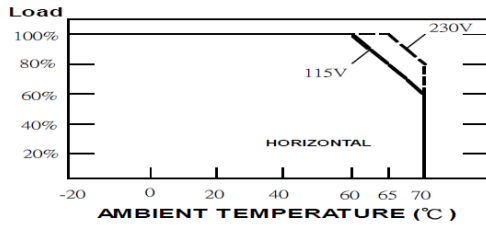
Size : 163 * 45 * 33 mm (L*W*H)



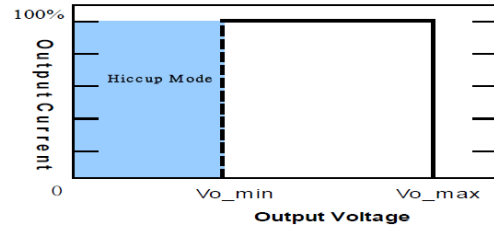
Specifications:

Model No.		GP-LP060P-12 <input type="checkbox"/>	GP-LP060P-24 <input type="checkbox"/>	GP-LP060P-28 <input type="checkbox"/>	GP-LP060P-36 <input type="checkbox"/>	GP-LP060P-48 <input type="checkbox"/>
	DC Voltage Range	9-12V	12-24V	20-28V	24-36V	36-48V
	Rated Current	5000mA	2500mA	2100mA	1700mA	1250mA
	Max.Power	60W	60W	58.8W	61W	60W
	Ripple&Noise(Max.) <small>Note.2</small>	0.5Vp-p	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	0-10v/PWM Dimming
	Voltage/Current Tolerance <small>Note.3</small>	+5% , -5%				
	Efficiency at 230Vac	87%				
Set up time (Max.)	1 sec. / 230Vac, 2 sec. / 115Vac, at full load.					
Input	Voltage Range	90 ~ 305 V AC or 127 ~ 430V DC				
	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				
	EMS Immunity	EN61000-4-2,3,4,5,6,8,11 Light industry level, criteria A				
Others	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				
	Weight	0.37 Kg				
Note	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

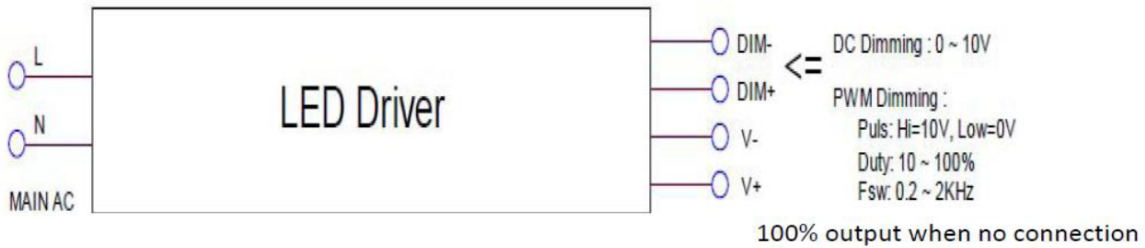


Constant Voltage / Constant Current Curve



Block Diagram (Dimming function by optional)

Type D



Mechanical Specification

