

Model: GP-LP060P Series

Features

- Universal AC input 90--305Vac.
- Class 2 Power Supply Unit.
- Constant Voltage dimming by PWM/1-10v/Resistor Operation.
- Built in 2 stage ACTIVE PFC Function.
- Protections: OVP / OCP / SCP / OTP.
- Fully Insulated Case with IP67 Level.
- Cooling by free air convection.
- Optional Dimming Type : GP-LP060-12□□
☐: A for Dimming type.
☐: V for Constant Voltage /
C for Constant current Dimming.

Approvals



Size

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

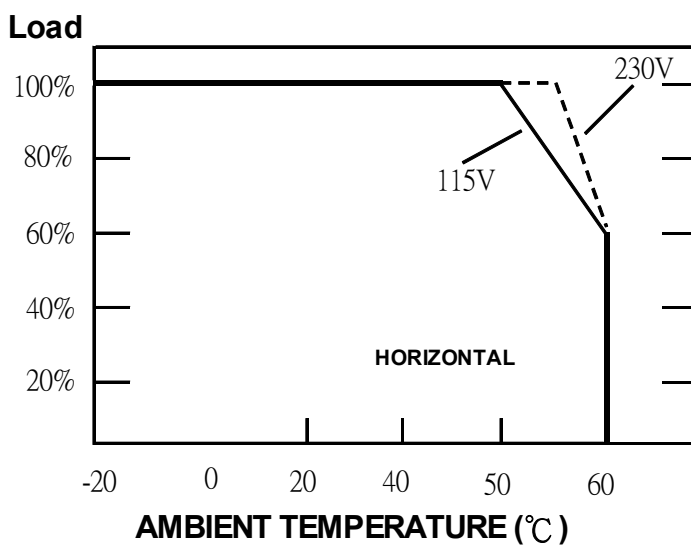


Specifications

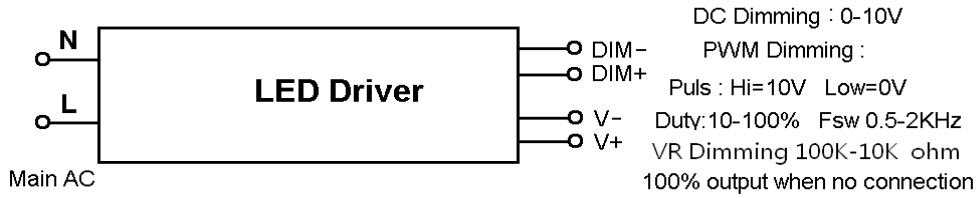
Model No.		GP-LP060P-12VA	GP-LP060P-24VA
Output	DC Voltage Range	12V	24V
	Rated Current	5A	2.5A
	Max.Power	60W	60W
	Ripple&Noise(Max.) Note.2	0.3Vp-p	0.3Vp-p
	PWM Dimming Frequency	800-1000 Hz	
	Voltage/ Tolerance	±2%	
	Efficiency at 230Vac	85%	
	Set up time (Max.)	1 sec. / 230V AC, 2 sec. / 115V AC, at full load.	
Input	Voltage Range	90 ~ 305V AC or 127 ~ 430V DC	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current (Max.)	1A at 115V AC / 0.5A at 230V AC	
	Power Factor	>0.95 at 115 V AC / >0.9 at 230V AC with full load.	
	Inrush Current (Max.)	60A at 230 V AC	
	Leakage Current	<0.5mA / 240 V AC	
Protections	Over Current	200% rated current. Type: Shut down and Autorecovers after fault condition disappeared.	
	Short Circuit	Type: Shut down and Autorecovers after fault condition disappeared.	
	Over Voltage	110%-150% rated output voltage Type: Latch OFF Mode.	
	Over Temperature	Type: Latch OFF Mode.	

Environment	Operation Temp.	-20°C ~50°C ambient operating at full load (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	200K hours min.MIL-HDBK-217F(25°C)
	Dimension (L x W x H)	163 x 45 x 33mm
	Packing (L x W x H)/Carton	590 x 224 x 150mm
	Weight	0.37kg
Note	<p>1. All specifications not specially mentioned are measured at 115Vac and 25°C ambient temperature.</p> <p>2. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel.</p> <p>3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.</p>	

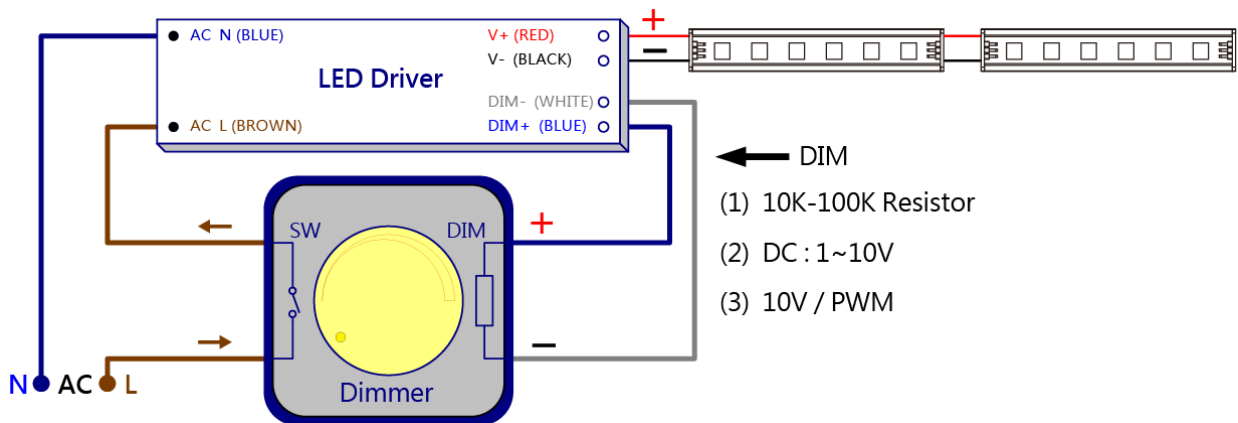
Derating Curve



Block Diagram (Dimming function by optional)



Applications



Mechanical Specification

