

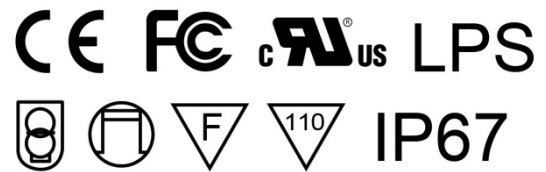
Model: GP-LP060P-12(A) Series

Features

- Universal AC input 90~ 305VAC.
- Class 2 Power Supply Unit.
- Constant Current / Constant Voltage Operation.
- Built-in PFC Function.
- Protections: OVP / OCP / SCP / OTP.
- Fully Insulated Case with IP67 Level.
- Cooling by free air convection.
- Optional Dimming Type : GP-LP060-xx(A).

A : for PWM/DC 0-10V Dimming

Approvals



Size

163 * 44.2 * 32.5 mm (L*W*H)



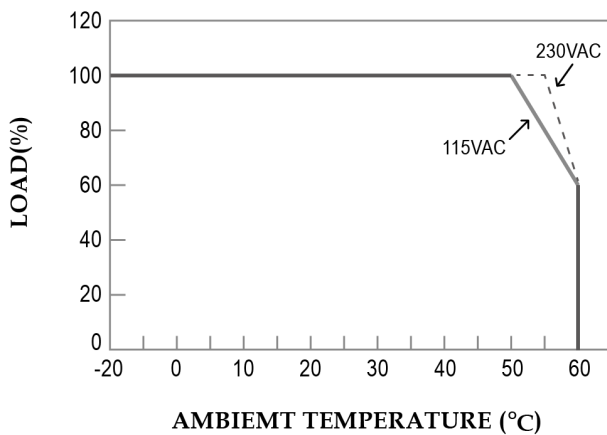
Specifications

A: Dimming

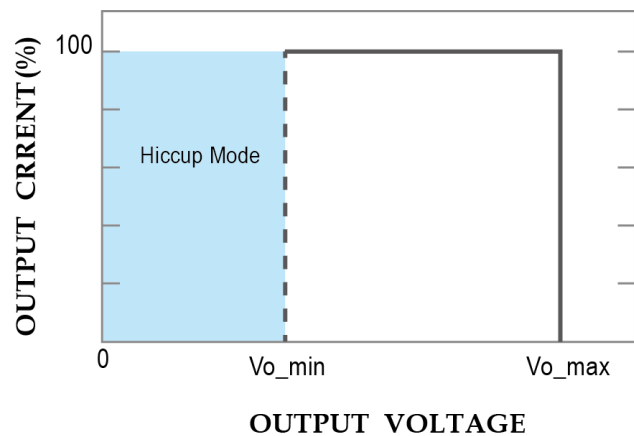
Model No.		GP-LP060P-12(A)
Output	DC Voltage Range	9-12V
	Rated Current	5000mA
	Max. Power	60W
	Ripple & Noise (Max.)	0.5Vp-p
	Dimming Control (Optional)	0-5V/PWM Dimming
	Voltage/Current Tolerance	±5%
	Efficiency at 230VAC	87%
	Set up time (Max.)	1 sec. / 230VAC, 2 sec. / 115VAC, at full load.
Input	Voltage Range	90 ~ 305VAC or 127 ~ 430VDC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current (Max.)	1A at 115VAC / 0.5A at 230VAC
	Power Factor	>0.95 at 115VAC / >0.85 at 230VAC with full load.
	Inrush Current (Max.)	60A at 230VAC
	Leakage Current	<0.5mA / 240VAC
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	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: 3.75KVAC
	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 44.2 x 32.5mm; 372g/pcs
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.	

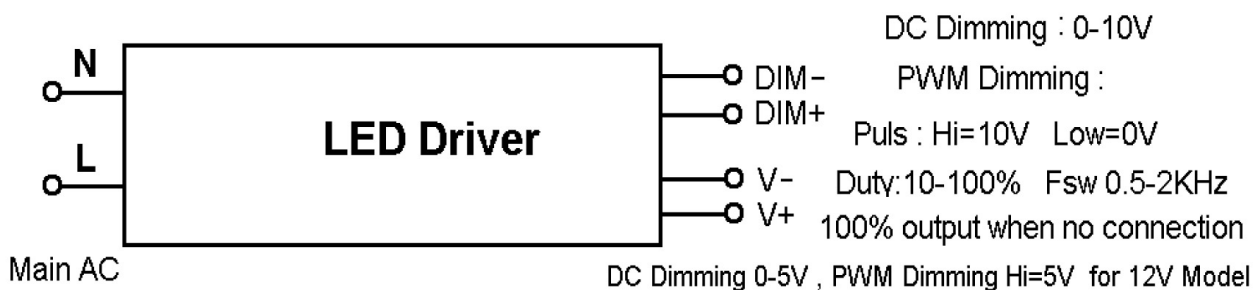
Derating Curve



Constant Voltage / Constant Current Curve



Block Diagram (Dimming function by optional)



Mechanical Specification

