

Model: GP-LE060N Series

▪ Features

- Universal AC Input 90~264VAC.
- Constant Current Operation.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Built-in Constant Current limiting Design.
- Operation from -20°C ~40°C Full Load.
- Protections: OTP / OLP/ SCP/ OVP.
- Class II Power Design Without Earth Pin.
- IP67 Class.

▪ Approvals



IP67 SELV

▪ Size

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

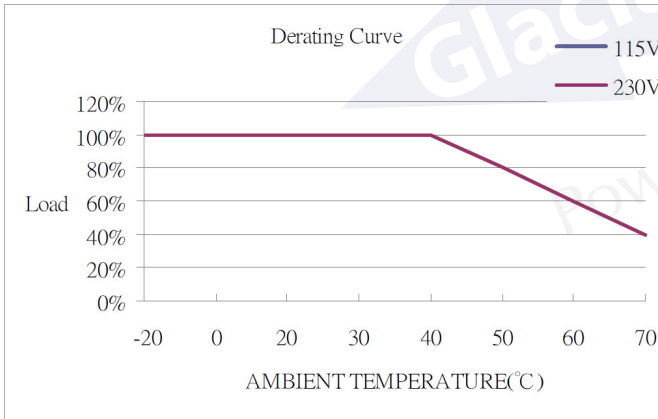


▪ Specifications

Model No.		GP-LE060N-36C	GP-LE060N-42C	GP-LE060N-48C
Output	DC Voltage	25-36V	28-42V	32-48V
	Rated Current	1.67A	1.4A	1.05A
	Max. Power	60W	58.8W	50.4W
	Ripple & Noise (Max.)	360mVpp	420mVpp	480mVpp
	Voltage Tolerance	±8%		
	Efficiency (at 240VAC)	85%	85%	85%
	Set up Time (Max)	0.5 sec. / 115VAC, at full load.		
Input	Voltage Range	90VAC ~ 264VAC		
	Frequency Range	47 Hz ~ 63 Hz		
	AC Current	1.4A at 115VAC / 0.7A at 230VAC		
	Inrush Current	30A at 115VAC / 60A at 230VAC		
	Leakage Current	<0.5mA / 240VAC		
Protections	Over Current	Constant current mode protection		
	Short Circuit	Type: Auto recover		
	Over Voltage	Max. 57.6V Type : Recover Mode	Max. 68V Type : Recover Mode	Max. 78V Type : Recover Mode
	Over Temperature	Type: Shut down Mode.		
Environment	Operation Temp.	-20°C ~40°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% ~ 95% 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 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,FCC part 15		
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,11;EN61547, 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; 379g/pcs
Remark	1. All specifications not specially mentioned are measured at 115V AC and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. 3. Current Tolerance: includes line regulation, load regulation and set-up tolerance.	

▪ **Derating Curve**



▪ **Mechanical Specification**

