

Model: GP-LE060N Series

Features

- Universal AC Input 90~264VAC.
- Constant Voltage Operation.
- Fully Isolated Plastic Case.
- Operation from -20°C~40°C Full Load.
- Protections: OTP / SCP / OLP.
- Class II Power Design Without Earth Pin.
- IP67 Class.

Approvals

CE FC IP67 SELV

UL US (only 12V)

Size

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

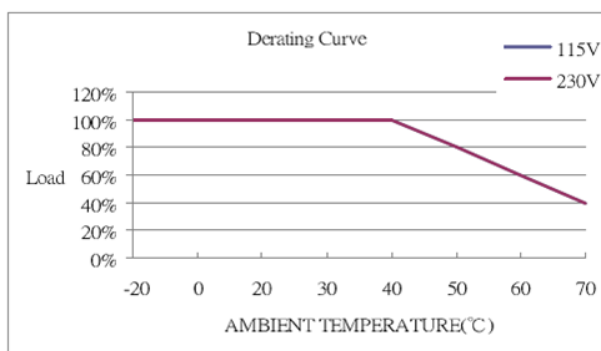


Specifications

Model No.		GP-LE060N-12V	GP-LE060N-24V
Output	DC Voltage	12V	24V
	Rated Current Range	0~5A	0~2.5A
	Max. Power	60W	60W
	Ripple & Noise(Max.)	180mVpp	240mVpp
	Voltage Tolerance	±5%	
	Efficiency (at 240 VAC)	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	rated current 110%~150% Type: Auto-recovery after fault condition disappeared	
	Short Circuit	Type: Auto recover	
	Over Voltage	130% ~ 160% rated output power Type : Recover Mode	
	Over Temperature	Type: Shut down Mode.	
Environment	Operation Temp.	-20°C ~40°C 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	The power adapter shall withstand forces of 2G at variable recurrent frequencies of 10 to 500Hz and a simulated transportation test. Transportation test will consist of a 1/2G vibration force at the resonant frequencies of the board or components. The test will last for 15 min. The power adapter will be tested in a configuration representative of the intended application with shipping cartons. The power adapter must survive a 50G force for duration of 20ms in all 3 orthogonal planes from normal mounting points.	

Safety & EMC	Safety Standards	meet CE & IP67
	Withstand Voltage	I/P - O/P: 3.75 KVAC
	Isolation Resistance	I/P-O/P :100m ohms / 500VDC at 25°C.
	EMI Conduction & Radiation	Refer to FCC 15(Class-B, 115Vac operation) Refer to CISPR 22(Class-B, 230Vac operation) Refer to EN55022(Class-B)
	LPS	Meet IEC60950-1
	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	<ol style="list-style-type: none"> All specifications not specially mentioned are measured at 115VAC and 25°C ambient temperature. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 	

Derating Curve



Mechanical Specification

