

Model: GP-LE036N Series (36 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Constant Voltage Operation.
- For High Brightness Light-Emitting Diode Products.
- 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 cULus SELV

M M IP67

Size

110 * 35 * 25 mm (L*W*H)

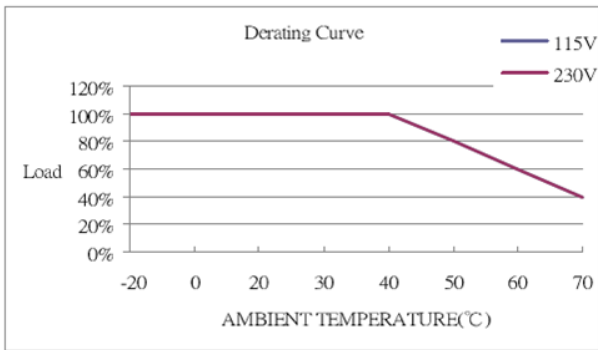


Specifications

	Model No.	GP-LE036N-12V	GP-LE036N-24V
Output	DC Voltage	12V	24V
	Rated Current Range	0~3A	0~1.5A
	Rated Max. Power	36W	36W
	Efficiency (at 240VAC)	83%	85%
	Voltage Tolerance	±5%	±5%
	Ripple & Noise	180mVpp	240mVpp
	Set up Time (Max)	<500ms at full load at 115VAC	
Input	Voltage Range	90VAC ~ 264VAC	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current	1A at 115VAC / 0.5A at 230VAC	
	Inrush Current	25A at 115VAC / 50A at 230VAC	
	Leakage Current	<0.5mA / 240VAC 50Hz	
Protections	Over Current	6A Max Type : Auto-Recover Mode	
	Over Temperature	Tc : 95°C ±10°C Type : Shut down Mode	
	Short Circuit	Type : Recover 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)
	EMS Immunity	meet EN61000-4-2
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	110 x 35 x 25mm; 136.2g/pcs
Remark	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 	

Derating Curve



Mechanical Specification

