

Model: GP-LE036N 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.
- Class II Power Design Without Earth Pin.
- IP67 Class.

Approvals

CE FC cULus SELV

△ △ △ IP67

Size

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

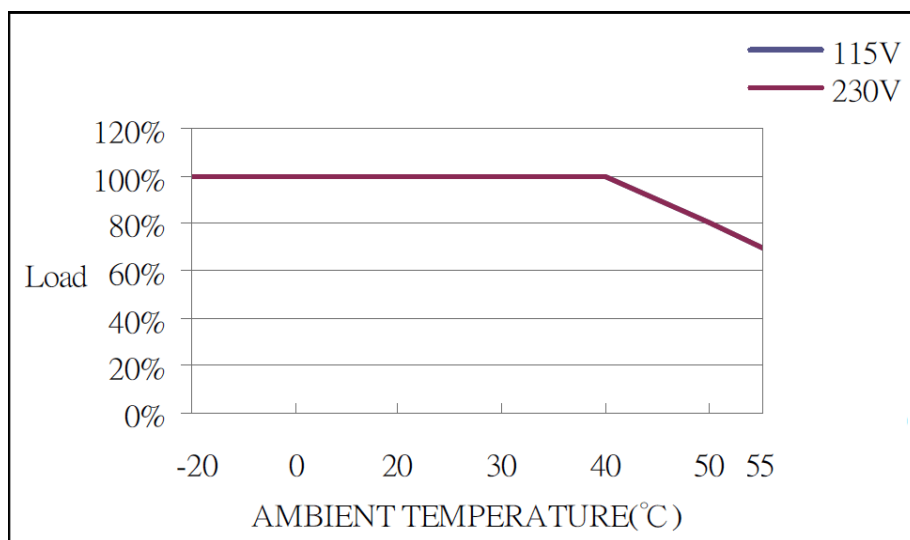


Specifications

Model No.		GP-LE036N-36C	GP-LE036N-48C
Output	Rated Voltage	24-36V	36-48V
	Rated Current	1.05A	700mA
	Max. Power	37.8W	33.6W
	Ripple & Noise(Max)Not.2	300mVpp	300mVpp
	Current Tolerance Not.3	±8%	
	Efficiency (at 240VAC)	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	1.0A at 115VAC / 0.5A at 230VAC	
	Inrush Current	25A at 115VAC / 50A at 230VAC	
	Leakage Current	<0.5mA / 240VAC	
Protections	Over Current	Constant current mode protection	
	Short Circuit	Type: Auto recover	
	Over Voltage (Recover Mode)	Max.54V	Max.72V
	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 ,IP67Approved.
	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
	Harmonic Current	Compliance to EN61000-3-2 Class C($\geq 70\%$ load),EN61000-3-3
	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)	110 x 35 x 25mm; 136.2g/pcs
Note	1. All parameters 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. Current Tolerance: includes line regulation, load regulation and set-up tolerance.	

Derating Curve



Mechanical Specification

