

## Model: GP-LE150N Series

### Features

- AC input 180 ~ 264 VAC.
- Class II Power Design without Earth Pin.
- Constant Voltage design (CV mode).
- Fully isolated plastic case & isolation cable.
- No Load Consumption < 0.5W at 230VAC.
- Protections : OLP / SCP / OTP / OVP.
- IP67 Class.
- 2 years warranty.

### Approvals

CE SELV IP67



### Size

195 \* 63 \* 38 mm (L\*W\*H)



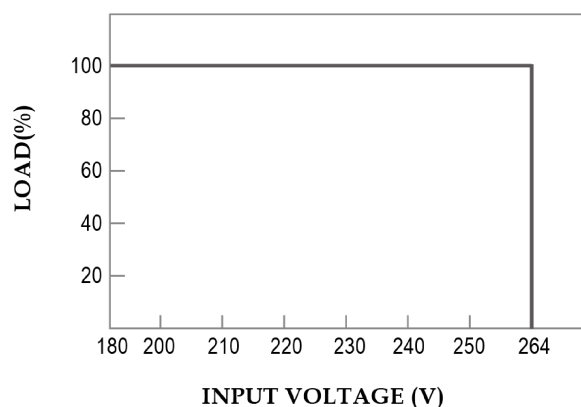
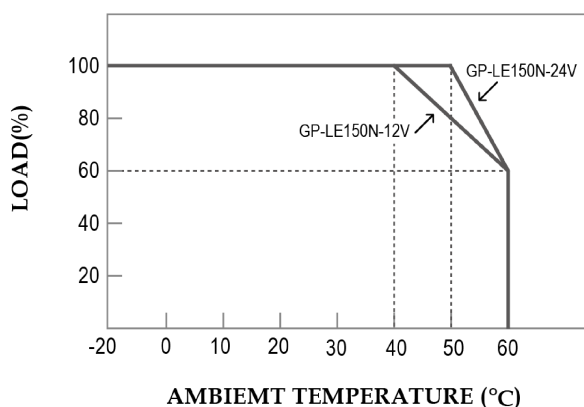
### Specifications

LE150N-xxV    xx: for Output Voltage    V : mean that Constant Voltage Mode

Model No.		GP-LE150N-12V	GP-LE150N-24V
Output	DC Voltage	12V	24V
	Rated Current Range	0 ~ 10A	0 ~ 6.25A
	Rated Max. Power	120W	150W
	Voltage Tolerance <small>note.3</small>	±5%	±5%
	Ripple & Noise(Max.) <small>note.2</small>	150mVpp	150mVpp
	Efficiency at 230VAC(Typ.)	87%	89%
	Set up Time(Max.)	0.5S / 230VAC at full load	
Input	Voltage Range <small>note.4</small>	180 - 264VAC	
	Rated Voltage	220 – 240VAC	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current (Max.)	1.6A at 230VAC	
	No Load Consumption	< 0.5W at 230VAC	
	Inrush Current (Max.)	Cold Start 80A at 230Vac	
	Leakage Current	< 0.25 mA / 240VAC	
Protections	Over Load	110% - 150% Constant current limiting, auto-recovery	
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature	Shut down o/p voltage, recovers automatically after temperature goes down.(Tcase: 90 ±10°C)	
	Over Voltage	13.5V ~ 18V	27V ~ 35V
Environment		Protection type: Shut down o/p voltage, recovers automatically after voltage goes down.	
	Operation Temp.	-20°C ~ +50°C (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	EN61437-1, EN61437-2-13 ; IP67 design refers to EN60529.
	Withstand Voltage	I/P - O/P : 3.75K VAC
	Isolation Resistance	I/P-O/P : 100M ohms / 500VDC at 25°C.
	EMI Conduction & Radiation	meet EN55015
	EMS Immunity	meet EN61000-4-2, 3, 4, 5, 6,8, 11 ; EN61547 , EN61000-3-2 EN61000-3-3
Connection	Input	UL rated, 2517 18 AWGx 2 C( 300 mm)
	Output	UL rated, 2517 14 AWGx 2 C( 300 mm)
Others	MTBF	100K hours min. at Ta=25°C
	Dimension(L x W x H)	195 x 63 x 38 mm; 790g/pcs
Note	<ol style="list-style-type: none"> <li>1. All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature.</li> <li>2. Ripple &amp; Noise are measured at 20MHZ of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.</li> <li>4. Derating may be needed under low input voltage. Please refer to the derating curve.</li> <li>5. The power supply is considered as a component that will be installed in a final equipment. The final equipment must be re-confirmed that it still meet EMC directives.</li> <li>6. The product might not be suitable for LED lighting applications, it depends on individual applications in EU countries.</li> </ol>	

## Derating Curve



## Mechanical Specification

