

Model: GP-LE100N Series

Features

- Universal AC Input 90 to 264VAC.
- Class 2 Power Supply Unit.
- Fully Isolated Plastic Case.
- Constant Voltage Mode.
- Protections: OLP/ SCP/ OTP/ OVP.
- IP67 Rated for Indoor and Outdoor Installation.
- Suitable for Use in LED Strip Lights, LED Signage and Moving Signs.

Approvals

CE cULus IP67 SELV



Size

187.5 * 52 * 37 mm (L*W*H)

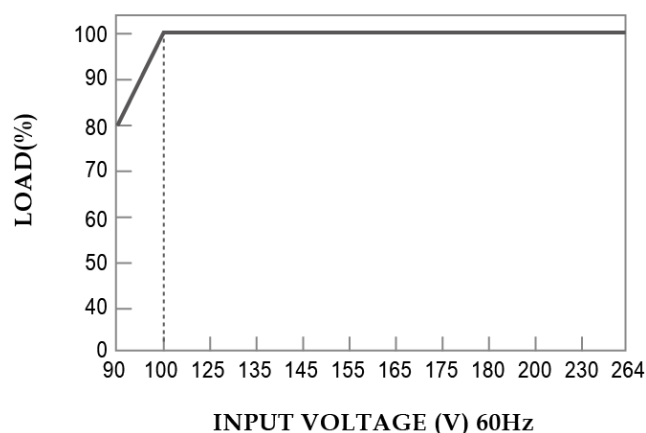
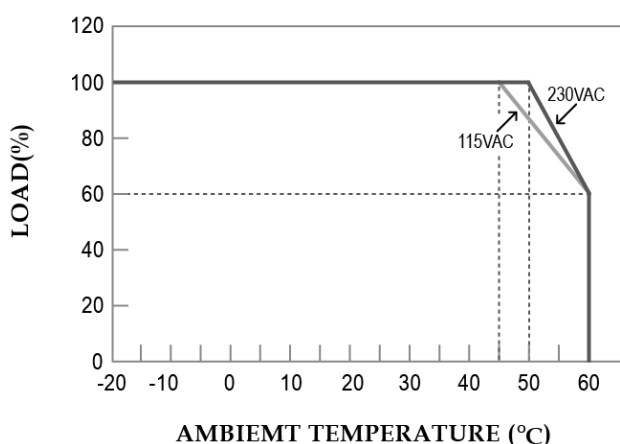


Specifications

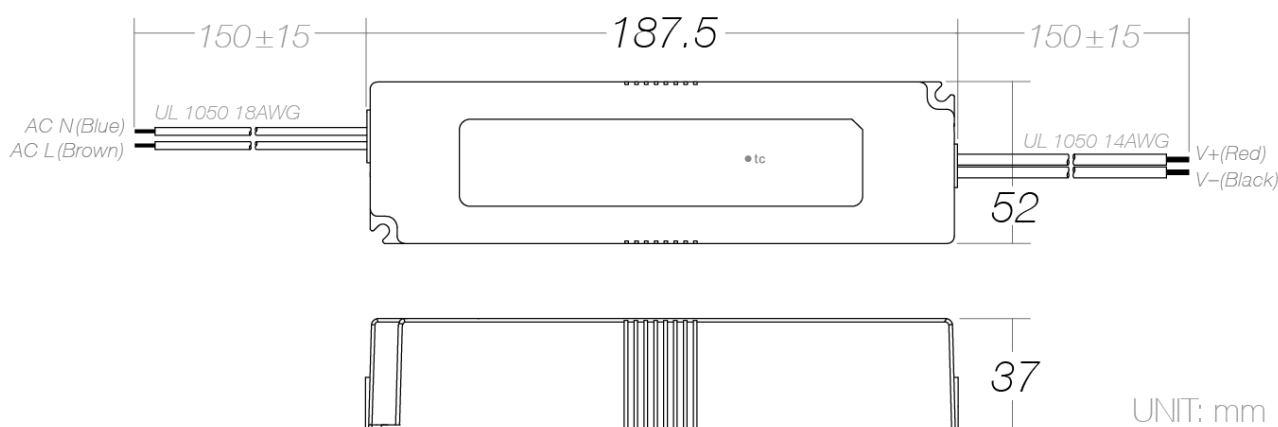
Model No.		GP-LE100N-12V	GP-LE100N-24V
Output	DC Voltage	12V	24V
	Rated Current Range	0 ~ 8.5A	0 ~ 4.2A
	Rated Max. Power	102W	100W
	Voltage Tolerance note.3	±6%	±5%
	Ripple & Noise (Max.) note.2	150mVpp	150mVpp
	Efficiency at 230VAC(Typ.)	83%	86%
Set up Time (Max.)		1S / 230VAC at full load	
Input	Voltage Range note.4	90 - 264VAC	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current (Max.)	2.0A at 115VAC / 1.2A at 230VAC	
	Inrush Current (Max.)	75A at 230VAC	
	Leakage Current	< 0.5 mA / 240VAC	
Protections	Over Load	110% - 160% 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	130% ~ 160% rated output power Type : Recover Mode	
Environment	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	EN61347-2-13, EN61347-1 Approved. ; IP67 design refers to EN60529.	
	Withstand Voltage	I/P - O/P : 3K 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, 11 ; EN61547	

Connection	Input	UL rated, 1015 18 AWGx 2 C(150 mm)
	Output	UL rated, 1015 14 AWGx 2 C(150 mm)
Others	MTBF	200K hours min. at Ta=25°C
	Dimension(L x W x H)	187.5 x 52 x 37 mm; 582.4g/pcs
Note	<ol style="list-style-type: none"> All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature. Ripple & Noise are measured at 20MHZ of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. Derating may be needed under low input voltage. Please refer to the derating curve. 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. 	

Derating Curve



Mechanical Specification



Application

