LED POWER SUPPLIES
Clas 2 Type

- High Efficiency (Up to 85%)
- Constant Voltage Output
- 5 Years Warranty

CB CE E492384 IP67

Description

12vdc series 60w/120w constant-Voltage outdoor LED driver that operates from 90-305Vac input with excellent power factor. It is created for LED strip, LED module, LED landscape light. The high efficiency of these drivers and compact metal case enables them to run cooler, significantly improving reliability and extending product life. To ensure trouble-free operation, protection is provided against input surge, output over voltage, over current, short circuit, and over temperature.

Models

Model Number	Output Voltage	Input Voltage Range	Output Current Range	Max. Output Power	Typical Efficiency (2)	Power Factor
						110Vac
G2G-60W-12V	12 Vdc	90-305 Vac	0 ~ 5 A	60 W	85%	0.99

Input Specifications

Parameter	Min.	Typ.	Max.	Note
Input Voltage	90 Vac	-	277 Vac	
Input Frequency	47 Hz	-	60 Hz	
PF	0.96	-	-	At 100-277 Vac, 100% Load
THD	-	-	20%	

General Specifications

Parameter	Min.	Typ.	Max.	Notes
Efficiency at 220 Vac input:V0 = 12 V	86%	87%	-	Measured at full load and steady-state temperature in 25 ambient; (Efficiency will be about 1.0% lower if measured immediately after startup.)
No Load Power Dissipation	-	-	3 W	
Operating Case Temperature for Safety	-30 °C	-	+80	
Operating Case Temperature for Warranty Tc_w	-35 °C	-	+60	
Storage Temperature	-40 °C	-	+85℃	Humidity: 5%RH to 100%RH
Dimensions Millimeters (L × W × H)	155 × 55 × 30mm			

Note: All specifications are typical at 25 °C unless otherwise stated.

Protection Functions

Parameter	Min.	Typ.	Max.	Notes
Over Current Protection	105%	110%	120%	Hiccup mode. The power supply shall be self-recovery when the fault condition is removed.
Short Circuit Protection	No damage will occur when any output is short circuited. The output shall return to normal when the fault condition is removed.			
Over Voltage Protection	Limits output voltage at no load and in case the normal voltage limit fails.			

DIMENSIONS

7.05 "
6.2 "
6.11"
0.2 "
1.2 "
4.73 "
0.2 "
1.2 "
4.73 "
2.03"
0.32 "
0.12"
18.4 "