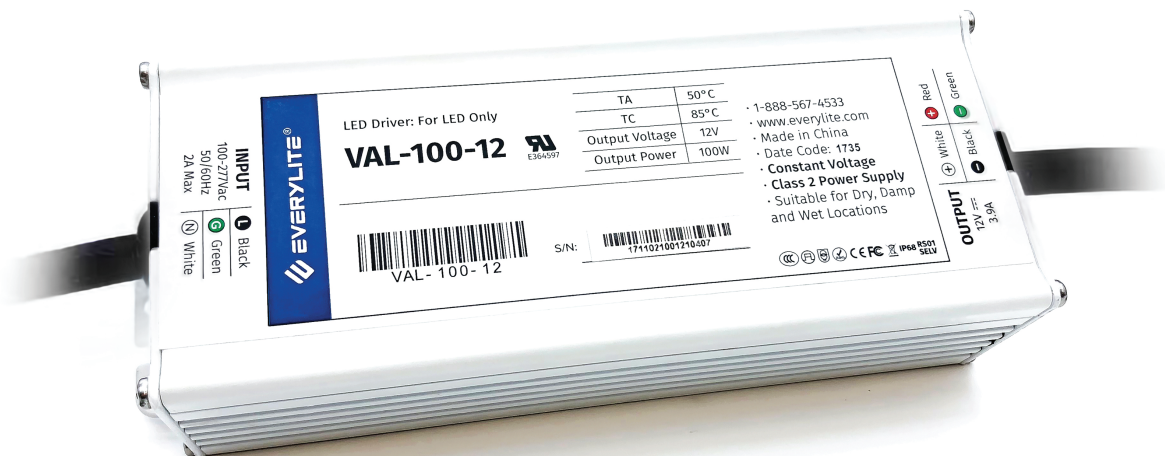


Date:

Type:

Firm Name:

Project:



Everylite Datasheet Ver 2.0

VAL-100-12 Dual Output



Description

VAL-100-12 Class 2 LED power supply is a high efficiency and high performance power solutions for LED signage and other outdoor applications by featuring a wide input voltage range 100-277VAC with PFC function, surge, over voltage, over current, over temperature and short circuit protections. With the highest waterproof grade of IP68, it is designed to work under a wide range of environmental conditions with multiple protection functions for wide operating temperatures -22°F to +122°F.

Features

- 100-277VAC nominal input voltage
- IP68 aluminum case with silicone encapsulated designed for indoor or outdoor applications, suitable for dry, damp and wet locations
- Built-in PFC function
- Protections: Short circuit, over current, over voltage, over temperature with auto recovery
- Compliance to worldwide safety regulations for lighting: UL, CE, GS, CQC, RoHS

Specification

Output Characteristics		Environmental Characteristics		Safety and EMC	
Rated Output Voltage	12V	Vibration	10~500HZ,5G, 30 minutes (for X, Y, Z each axis)	Safety Standard	UIP68, UL8750, UL1310, UL879, IEC61347 - 2, IEC61347 -1 - 13
Rated Output Current	3.9A per Output	IP Grade	IP68	Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVAC/ 10mA/ 3S I/P-Case 1.8 KVAC/ 10mA/ 3S
Rated Output Power	93.6W	Storage Humidity	10~95%RH	Insulation Resistance	100MOhm Max/ 500VDC/ 3S
Output Voltage Accuracy	±3% (11.6-12.3V)	Storage Temperature	-40~176°F	Grounding Resistance	100mOhm
Output ripple & noise	≤200mV	Working Humidity	20~95%RH (non-condensing)	EMC	FCC part 15classB EN55015
		Working Temperature	-22~122°F		

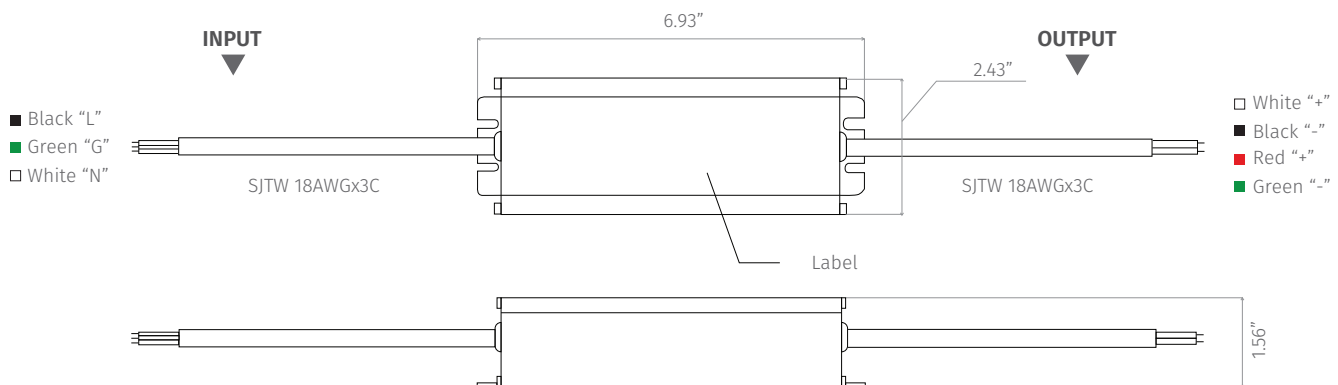
Input Characteristics		Protective Characteristics		Other Characteristics	
Input Voltage Range	90~300VAC	Over-Temperature Protection	Yes	MTBF	≥520Khrs. MIL-HDBK-217F(25°C)
Input Frequency Range	50~60HZ	Over-Voltage Protection	Yes	Size	6.93"x2.43"x1.56"(L*W*H)
Input Current	0.92A @ 110V 2A @ 240V	Short-Circuit Protection	Yes	Weight	1.65 lbs
Inrush Current (cold start)	≤100A (230VAC)	Over-Current Protection	Yes		
Efficiency	≥85%				
PF	N/A				

Notes

- Please ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Please ensure the power supply position has sufficient airflow. Operating temperature must be between -40C to +50C.
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- To be installed by a certified electrician. Please contact the supplier with any questions.

Drawing

Unit: inches



Label Drawing

INPUT
100-277Vac
50/60Hz
2A Max

Black
Green
White



LED Driver: For LED Only

VAL-100-12

Barcode Number



• Suitable for Dry, Damp and Wet Locations










TA	50° C
TC	85° C
Output Voltage	12V
Output Power	100W

• 1-888-567-4533
 • www.everylite.com
 • Made in China
 • Date Code: YYWW
• Contant Voltage
• Class 2 Power Supply

Red
White
Black

Green

OUTPUT
12V
3.9A