



**60W 12V POWER SUPPLY WITH ENCLOSURE**

This constant voltage Class 2 60W driver is UL and FCC listed. It is rated for wet, damp, and dry locations and has an enclosure with isolated wire connections. With input voltage ranging from 100-277 VAC, this driver is suited for commercial, industrial and residential applications.

- Constant voltage
- 100-277V AC input voltage range
- Built-in PFC function
- Short circuit, over voltage and over heating protections
- PF > 0.99
- Efficiency > 88%
- Suitable for dry, damp and wet locations
- UL/cUL, FCC listed, Class 2, Class P, Type HL
- 7-year warranty



**RoHS**

**SELV**

**PRODUCT INFORMATION**

Type	PS12-60W-100-277V-ENC-B
Rated Input Voltage	100-277V AC
Rated Input Frequency	47-63 Hz
AC Input Current	0.93A @ 120V AC
Rated DC Output Power	12V DC
Rated Power	60W
Inrush Current	50A
Output Current	5A DC
Efficiency	> 85% @ 110V AC, 100% load > 86% @ 277V AC, 100% load
Typical Power Factor	0.98 @ 120V AC 0.95 @ 277V AC
Environment Rating	Dry, damp or wet locations
Operating Ambient Temp.	-40° – 104° F (-40° – 40° C)
Storage Temp.	-40° – 176° F (-40° – 80° C)
Lifetime	70,000 hrs @ Tc 80°C
Dimensions (L x W x H)	7.4 x 3.72 x 1.57 in. (188 x 94.5 x 40 mm)
Net Weight	2.43 lb (1.1 kg)

**STANDARD COMPLIANCE**

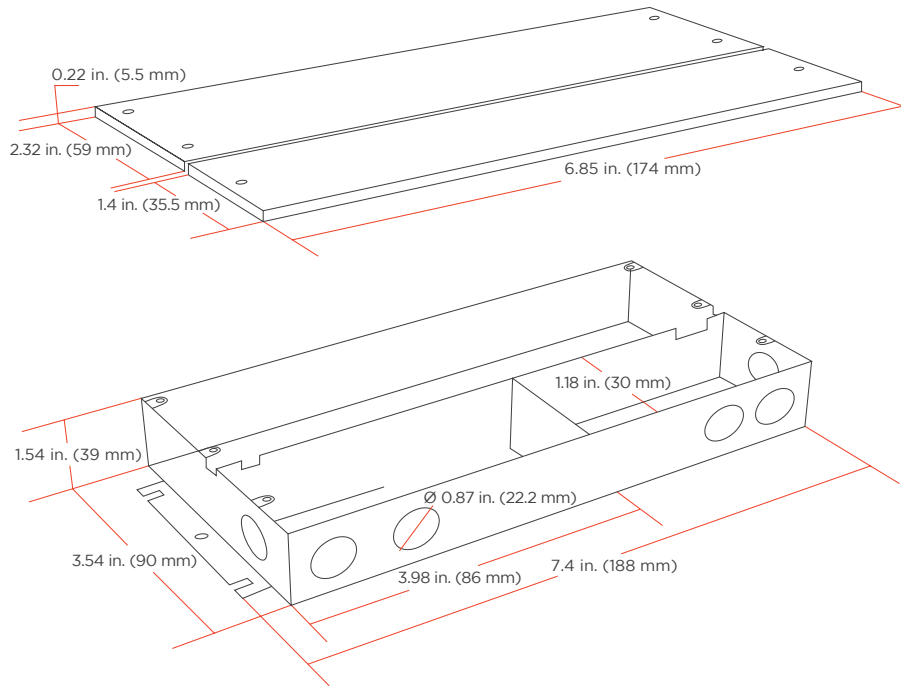
Safety	Safety Standards
UL / cUL	UL 8750 + UL 1310
EMC	
Withstand Voltage	I/P-O/P:2.2KVAC
Isolation Resistance	I/P-O/P: 100MΩ/500VDC/77°F (25°C)/70%RH
EMC Emission	FCC Part 15 B
EMC Immunity	EN55015 Compliant EN61000-4-2,3,4,5,6,8,11 EN61547 Alight industry level (surge 4KV)



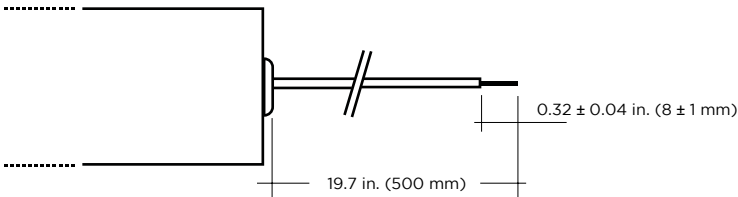
**DIMENSION DRAWINGS**

**L x W x H**

7.4 x 3.72 x 1.57 in.  
(188 x 94.5 x 40 mm)

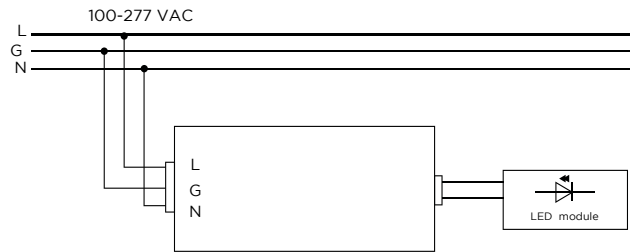


**CONNECTION**



Primary Cable			Secondary Cable	
L	N	PE	+	-
black	white	green	red	black

**WIRING DIAGRAM**



**Installation instructions**

The switching of LEDs on secondary side is not permitted. A proper functioning of the LCU in combination with third party dimming devices (e.g. PWM) cannot be guaranteed.

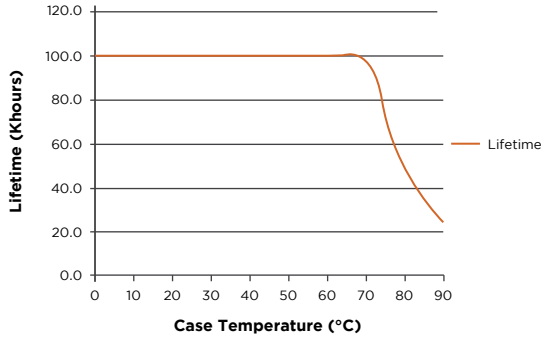
**SHIPPING INFORMATION**

Module Type	Specs	Packaging Quantity	
		Per SKU	Per Case
PS12-60W-100-277V-ENC-B	# of Units	1	20

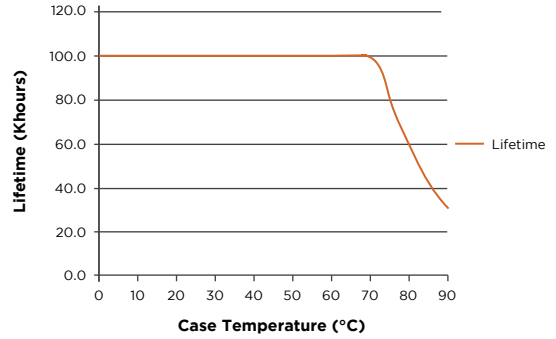


**PERFORMANCE CURVE**

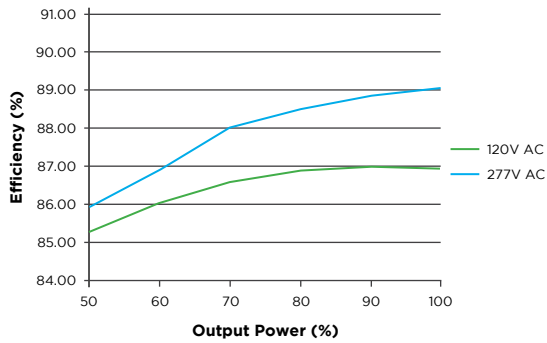
**Lifetime Vs. Case Temperature (120V AC)**



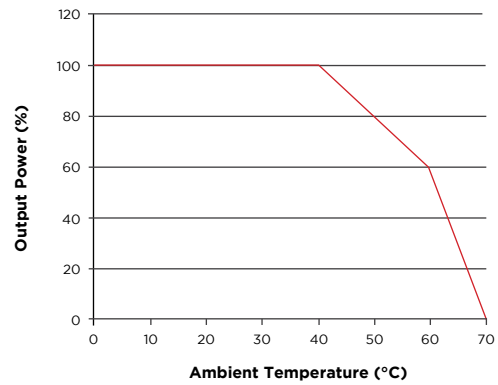
**Lifetime Vs. Case Temperature (277V AC)**



**Efficiency Vs. Output Power**



**Output Power Vs. Ambient Temperature**



1. The maximum case temperature Tc shall not exceed 104 °F ( 40°C) when used in end product.
2. These products are intended to be connected to a max. 20A branch circuit.
3. These products are intended for use in dry and damp locations.
4. Required spacing between power supply according to UL48.