



Features and Benefits:

- Wide input AC voltage range 100-277V 50/60Hz
- Active Power Factor Correction (0.99 Typical)
- Operating temperature -35°C to +60°C (-31°F to +140°F)
- Surge, over-voltage, over-current, over-temperature and short-circuit protections
- IP67 Rating - UL certified for use in wet, damp and dry locations
- Compliant with FCC Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load
- 5-year limited warranty



12V DC



5 YEAR WARRANTY



IP67



SELV

RoHS

PRODUCT INFORMATION

Part Number	PS12-60W-100-277V
Rated Input Voltage	100 -277V AC
Rated Input Frequency	50/60 Hz
AC Input Current	Max. 0.8 A @ 120V AC
Rated DC Output Voltage ¹	12 V DC
Max. DC Output Power	60W DC
Max. DC Output Current	5.00A DC
Power Efficiency	87% @ 220V AC, 100% load
Typical Power Factor	0.99 @ 110V AC 0.96 @ 220V AC
Max. Inrush Current (A) ²	50A @220V, cold start
IP Rating	IP67
Operating Ambient Temp.	-31° — +140° F (-35° — +60° C)
Lifetime	50,000 hours @ Tc 60° C, 80% load
Dimensions (L x W x H)	6.97" x 2.66" x 1.46" 177 mm x 68 mm x 37 mm
Net Weight	1.65 lb 0.75 kg

¹ Tolerance ± 0.6V

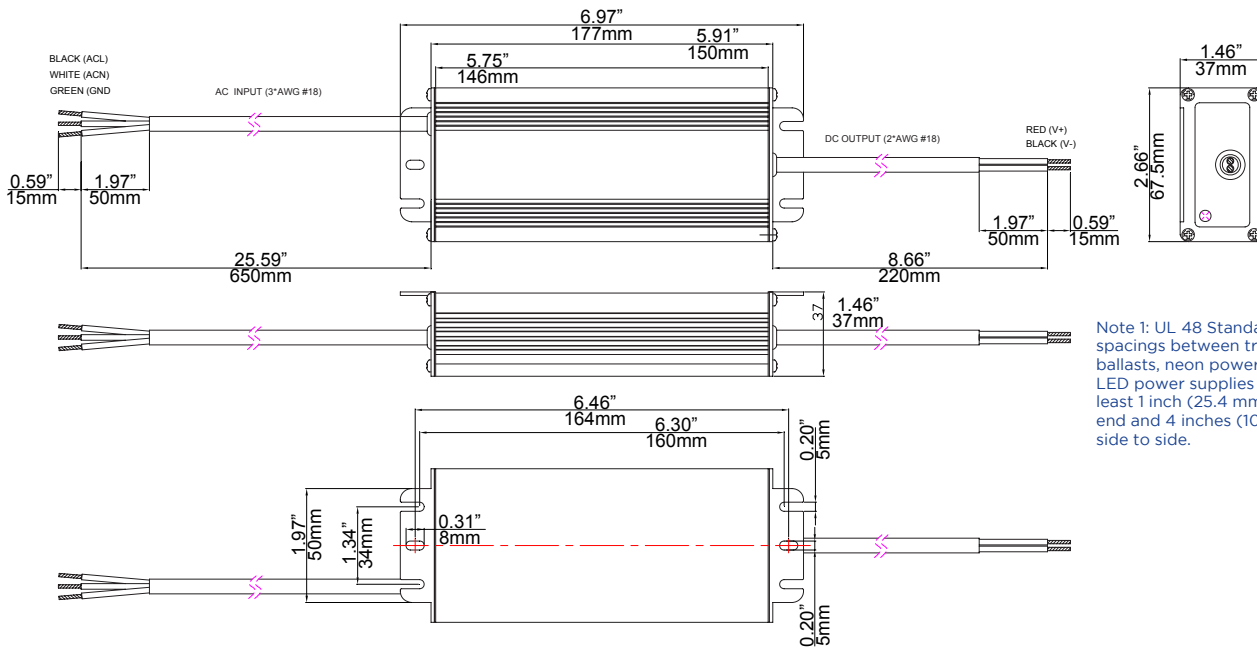
² Measured at 230V AC input and 25°C cold start

STANDARD COMPLIANCE

Safety	Safety Standards
UL / cUL CE	UL 8750, CAN/CSA-C22.2 No.0, UL 1012, CSA-C22.2 107.1
Country/Region	UL 879, CSA-C22.2 No.250.0, UL 879A
USA & Canada	EU
EMI Standards	
EN 55015	Conducted emission Test & Radiated emission Test with 6 dB margin
EN 61000-3-2	Harmonic current emissions: Class C
EN 61000-3-3	Voltage fluctuations & flicker
EN 61000-4-2	Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EN 61000-4-4	Electrical Fast Transient / Burst
EN 61000-4-5	Surge Immunity Test: AC Power Line
EN 61000-4-6	Conducted Radio Frequency Disturbances Test-CS
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Immunity against mains dips/ mains interruptions
EN 61547	Electromagnetic Immunity Requirements Applies to Lighting Equipment

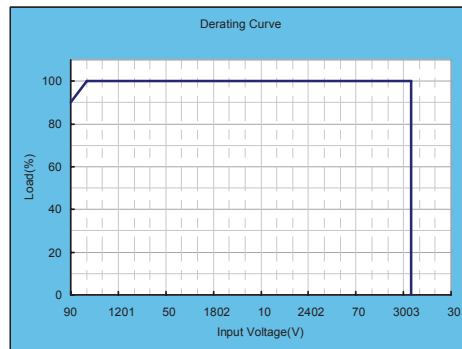
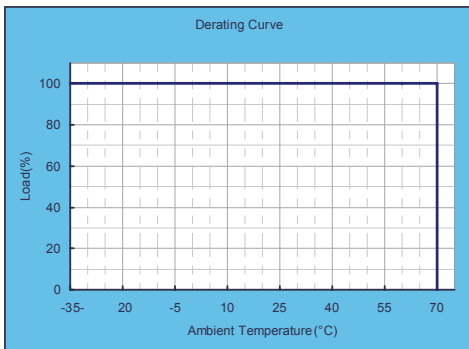


DIMENSIONS



Note 1: UL 48 Standard requires spacings between transformers, ballasts, neon power supplies and LED power supplies shall be at least 1 inch (25.4 mm) from end to end and 4 inches (101.6 mm) from side to side.

DERATING CURVE



WIRING GAUGE CHART

Wire Size		Maximum Distance*	
Gauge (AWG)	Metric (mm ²)	Feet	Meters
26	0.13	3	0.9
24	0.21	4	1.2
22	0.33	7	2.1
20	0.52	11	3.4
18	0.82	18	5.5
16	1.31	29	8.8
14	2.08	45	13.7
12	3.31	71	21.6
10	5.26	120	36.6

*Distance from power supply to 100% load

SHIPPING INFORMATION

Module Type	Specs	Packaging Quantity		Case Weight	SKU Dimensions			Case Dimensions			
		Per SKU	Per Case		W	D	H	W	D	H	
PS12-60W-100-277V	# of Units	1	20	35.0 lb 15.9 kg	6.97 177	2.66 68	1.46 37	19.7 500	14.6 371	14.0 356	inch mm



1. The maximum case temperature T_c shall not exceed 194°F (90°C) when used in end product.
2. These products are intended to be connected to a max. 20 A branch circuit.
3. These products are intended for use in dry and damp locations.