

## 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



## Ordering Information (subject to change without notice)

Ordering Code	Input Voltage (VAC)	Output Voltage (VDC) <sup>1</sup>	Max. Output Current (A)	Max. Output Power (W)	Typical Efficiency <sup>2</sup>	Typical Power Factor		Max Inrush Current <sup>3</sup> (A)	Average Rated Life <sup>4</sup> (hours)	IP Rating	Net Weight (lb)/(kg)
						100VAC	220VAC				
PS12-60W-100-277V	100-277	12	5.00	60	87%	0.99	0.96	50	50,000	IP67	1.65/0.75

- Notes:**
- (1) Tolerance  $\pm 0.6V$
  - (2) Measured at full load and 220V AC input.
  - (3) Measured at 230V AC input and 25°C cold start
  - (4) Measured at 110V AC input, 80% load and 45°C ambient temperature; Case temperature shall not exceed 88.7°C in application.

## LED Module to Power Supply Wire Size

Wire Size		Maximum Distance*	
Gauge (AWG)	Metric (mm <sup>2</sup> )	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 load at full capacity

## Ordering Guide

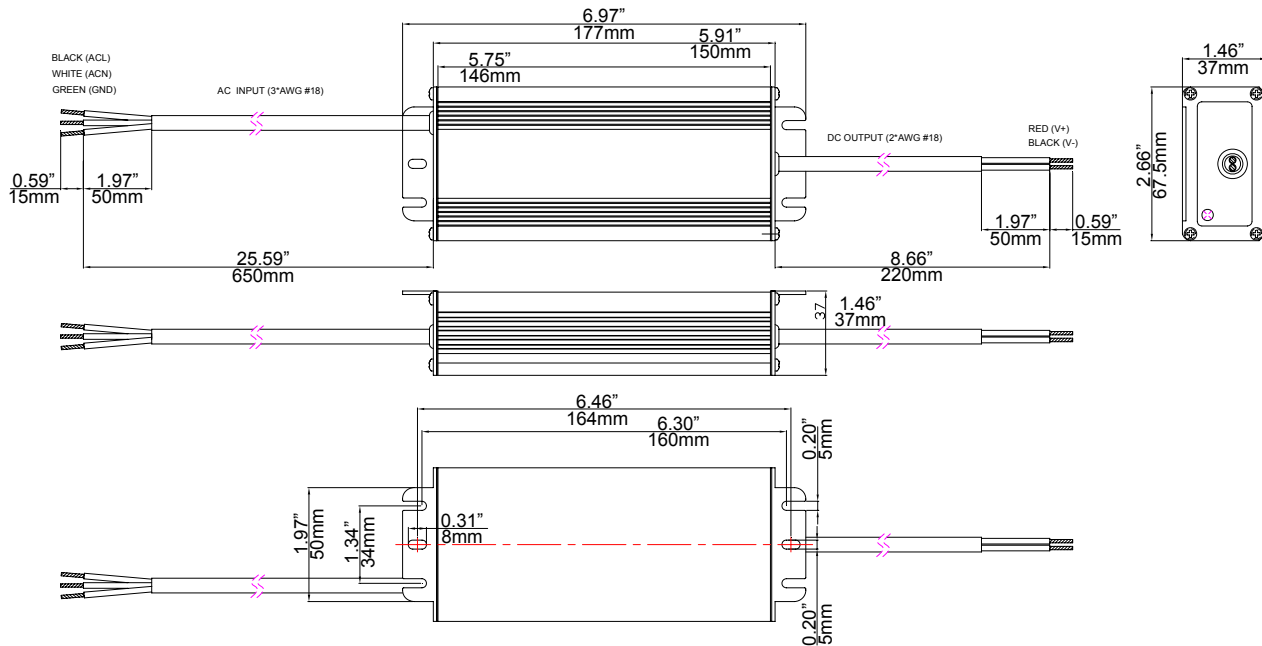
PS	12	-60W	-100-277V
Power Supply	Output Voltage	Output Wattage	Input Voltage Range

## Safety & EMC Compliance

Safety Category	Country	Standard
ULcUL	USA & Canada	UL8750 Compliance to UL1310 Class2, UL1012 UL935, CAN/CSA-C22.2 No. 0, CSA-C22.2 No. 107.1, CSA-C22.2 No. 250.0
CE	Europe	EN61347- 1, EN61347- 2-13:2006, EN62384:2006
EMI Standards		Notes
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-EFT
EN 61000-4-5		Surge Immunity Test: AC Power Line: line to line 2 kV, line to earth 4 kV
EN 61000-4-6		Conducted Radio Frequency Disturbances Test-CS
EN 61000-4-8		Power Frequency Magnetic Field Test
EN 61000-4-11		Voltage Dips
EN 61547		Electromagnetic Immunity Requirements Applies to Lighting Equipment

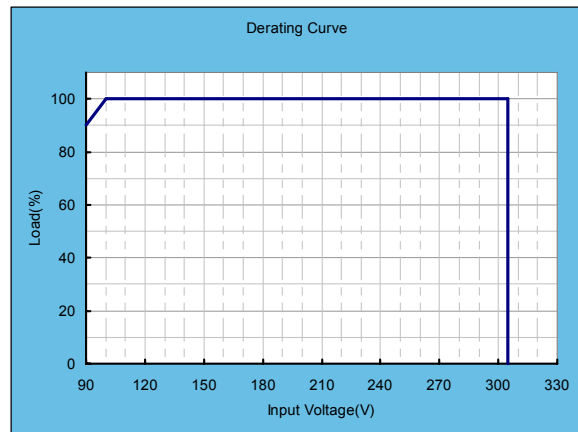
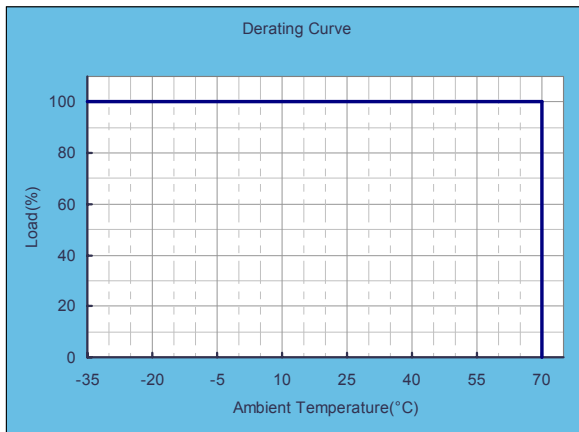
# LED Power Supply 12V DC Standard 60W

## Mechanical Outline



Note: 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



## Shipping Information

Ordering Code	SKU	Case Quantity	SKU Weight (lb/kg)	Case Weight (lb/kg)	SKU Dimensions (W x D x H)	Case Dimensions (W x D x H)
PS12-60W-100-277V	1 unit/SKU	20 SKUs/Box	1.65/0.750	35.0/15.9	6.97"x2.66"x1.46"	19.7"x14.6"x14.0"



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- 1. The maximum case temperature shall not exceed 88.7°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, damp and wet locations.