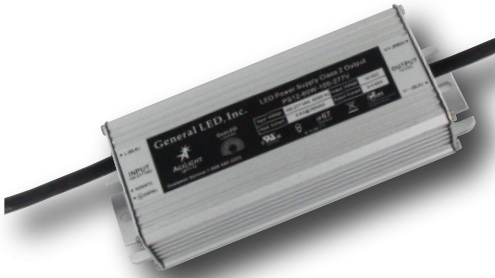




LED Power Supply PS12-60W-100-277V



Features and Benefits

- Wide input AC voltage range 100-277V 50/60Hz
- Constant DC Voltage Output
- Active Power Factor Correction (0.99 Typical)
- Operating temperature -35°C and +70°C (-35°F and +158°F)
- Lightning Protection
- Over-voltage, over-temperature and short-circuit protections
- 5 Year limited warranty
- Waterproof (IP67)
- Meet UL1310 Class2
- Complies With UL8750 & EN61347 Safety Regulations
- Compliant with FCC Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load



Ordering Information (subject to change without notice)

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

Notes: (1) Tolerance ± 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

Ordering Guide

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

Wire Gauge Chart

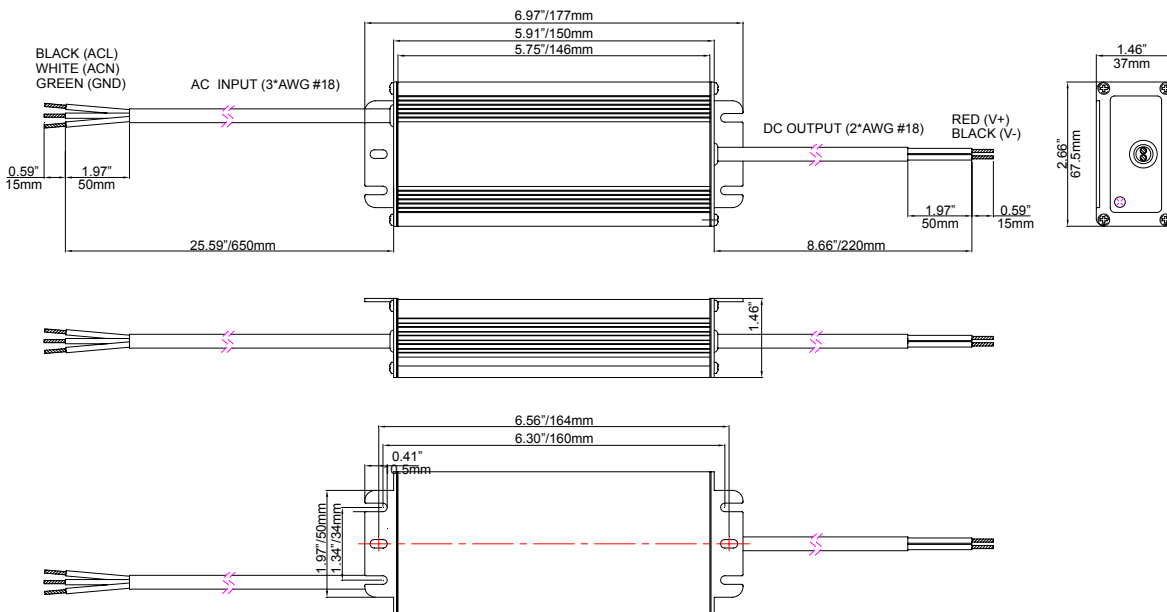
Wire Gauge (AWG)	26	24	22	20	18	16	14	12	10
Maximum Distance* (ft)	2	4	6	10	15	24	38	59	100
(m)	0.61	1.23	1.83	3.05	4.57	7.32	11.58	17.98	30.48

*Distance from power supply to load (at full capacity)

Shipping Information

Ordering Code	SKU	Case Quantity	Case Weight	SKU Dimensions (W x D x H)	Case Dimensions (W x D x H)
PS12-60W-100-277V	1 unit/SKU	20 SKUs/Box	35.71 lb 16.2 kg	8.16"x4.13"x2.17" 215mmx105mmx55mm	19.69"x12.60"x12.40" 500mmx320mmx315mm

Mechanical Outline (All measurements shown in Inches/Millimeters (mm))

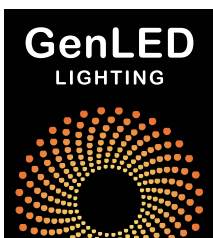
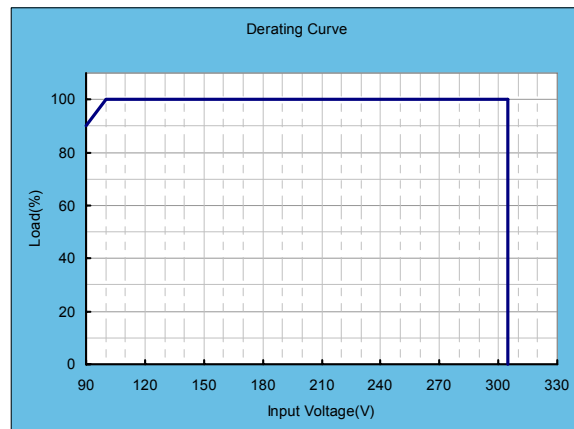
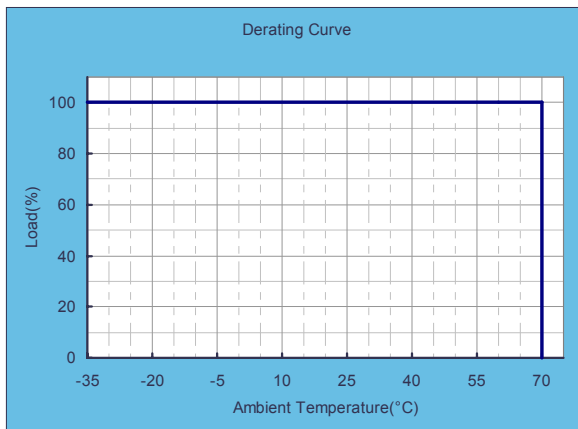


LED Power Supply PS12-60W-100-277V

Safety & EMC Compliance

Safety Category	Country	Standard
CUL	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	EN 61347 -1 , EN 61347 -2 -13
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

Derating Curve



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1. The maximum case temperature shall not exceed 88°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 location.