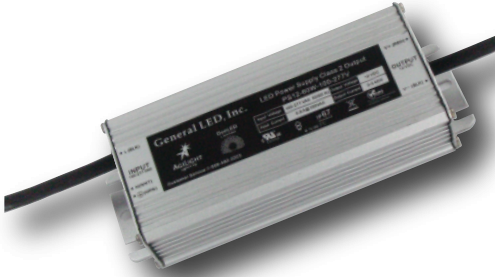




LED Power Supply PS12-60W-100-277V



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
- Waterproof (IP67)
- Meet UL1310 Class2
- Comply 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 (g)
						100VAC	220VAC				
PS12-60W-100-277V	100-277 VAC	12	5.00	60	87%	0.99	0.96	50A	50,000 hrs	IP67	750g

- 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

Ordering Guide

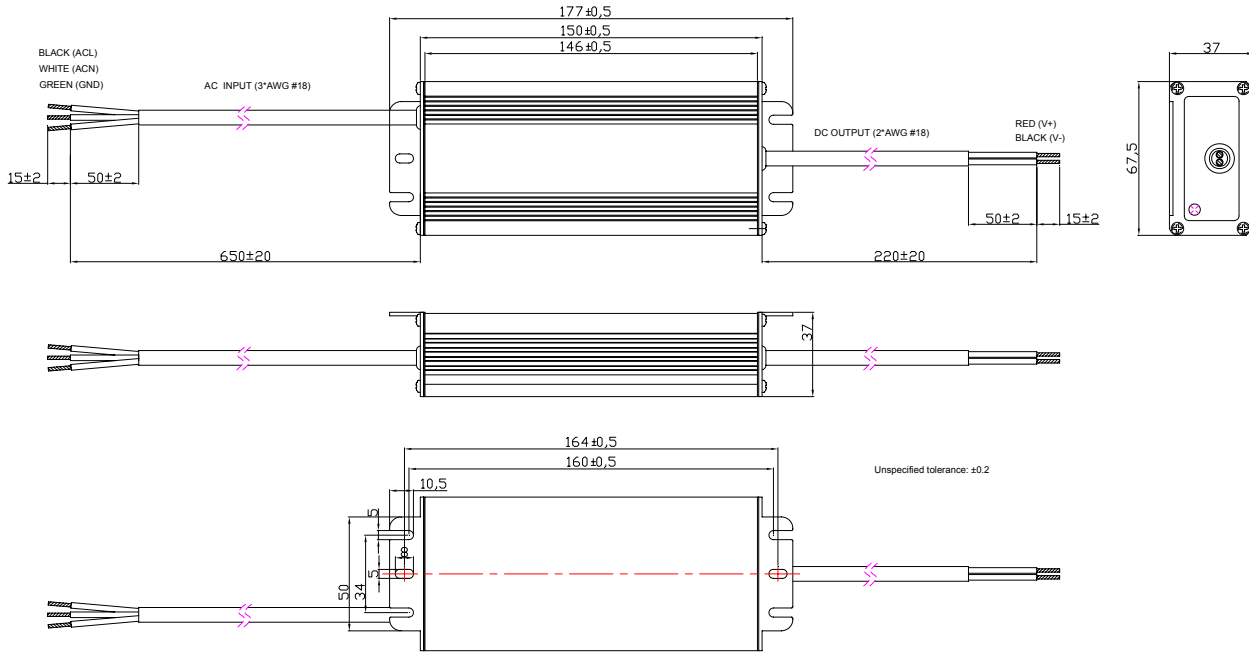
PS	12	-60W	-100-277V
Power Supply	Output Voltage	Output Wattage	Input Voltage Range

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

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

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

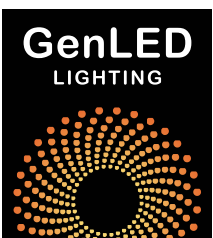
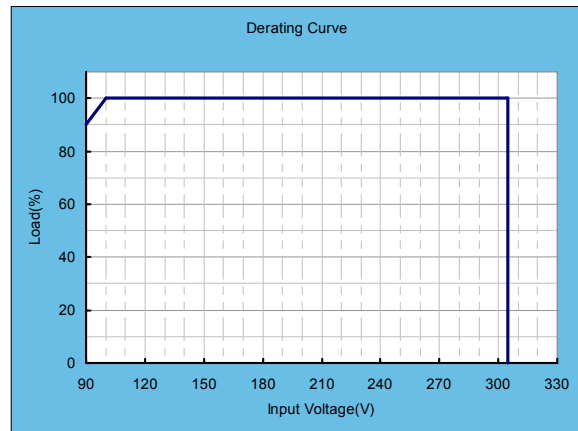
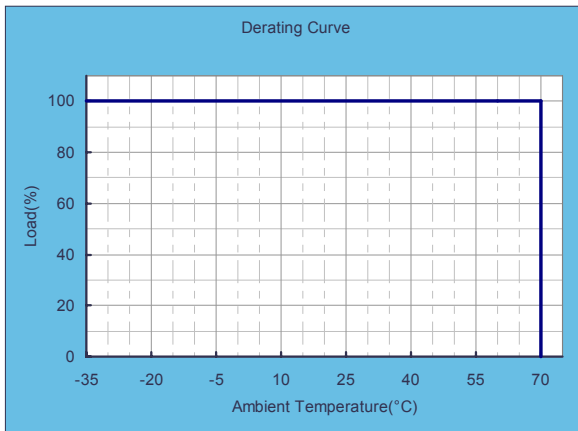


Wire Gauge Chart

Wire Gauge (AWG)	26	24	22	20	18	16	14	12	10
Maximum Distance* (ft)	2	4	6	10	15	24	38	59	100

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

Derating Curve



Divisions of General LED, Inc.

General LED, Inc.
 1218 Arion Parkway, Ste 108
 San Antonio, TX 78216
 United States of America
 1-866-482-0203
www.AgiLight.com
www.GeneralLED.com

General LED Fze
 PO Box 371378
 Office No. 210, Building 6EA
 Dubai Airport Free Zone
 Dubai, UAE
 Tel: 04-7017901
 Fax: 04-7017902



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.