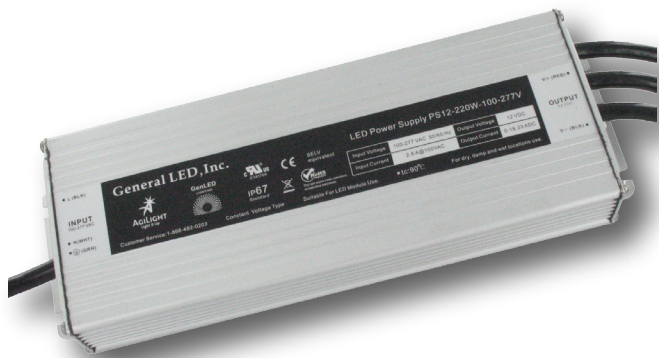


LED Power Supply

PS12-220W-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 to +70°C (-35°F to +158°F)
- Surge, over-voltage, over-current, over-temperature and short-circuit protections
- IP67 Rating - UL certified for use in dry, damp and wet locations
- Meets UL8750 & EN61347 Safety Standards
- 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) ¹	Max. Output Current (A)	Max. Output Power (W)	Typical Efficiency ²	Typical Power Factor		Max Inrush Current ³ (A)	Average Rated Life ⁴	IP Rating	Net Weight (lb)/(kg)
						100VAC	220VAC				
PS12-220W-100-277V	100-277 VAC	12	18.33	220	91.5%	0.99	0.93	50	50,000 hrs	IP67	2.86/1.30

Notes:

- (1) 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 90°C in application.

Ordering Guide

PS	12	-220W	-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)	3	4	7	11	18	29	46	71	120
(m)	0.91	1.22	2.13	3.35	5.49	8.84	14.02	21.64	36.58

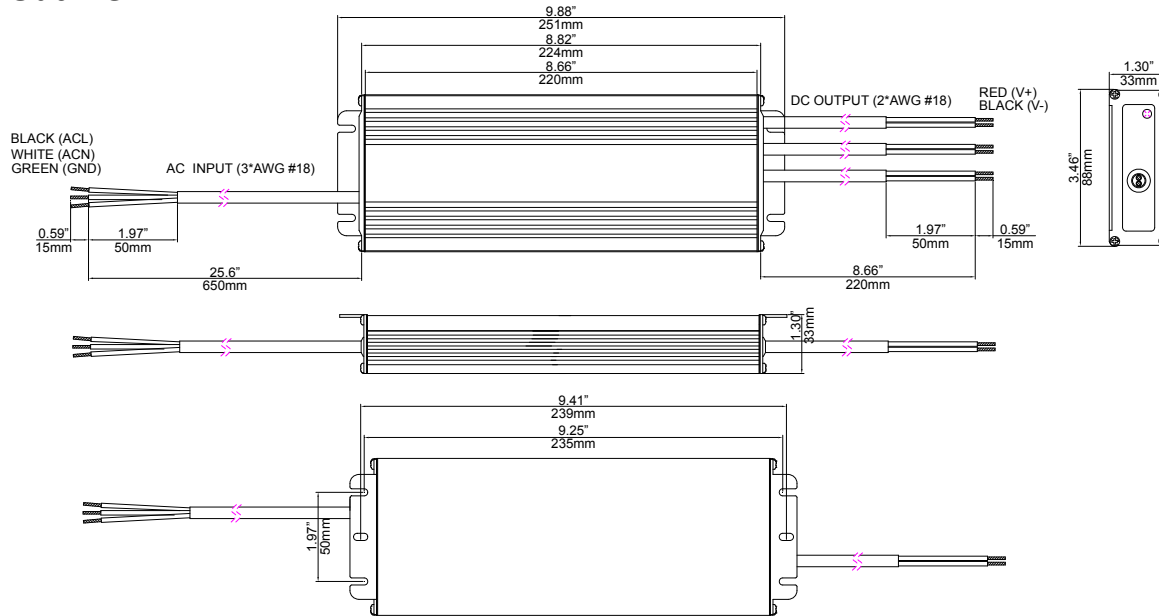
*Distance from power supply to load (at full capacity)

Safety & EMC Compliance

Safety Category	Country	Standard
CUL	USA & Canada	UL8750, UL935, UL1012, CSA-C22.2 No. 107.1
CE	Europe	EN61347- 1, EN61347- 2-13:2006
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 PS12-220W-100-277V

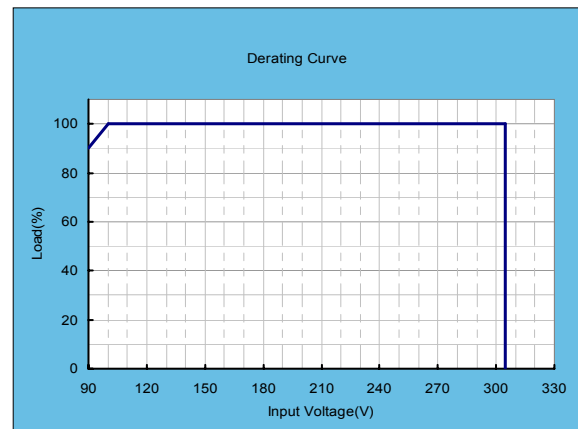
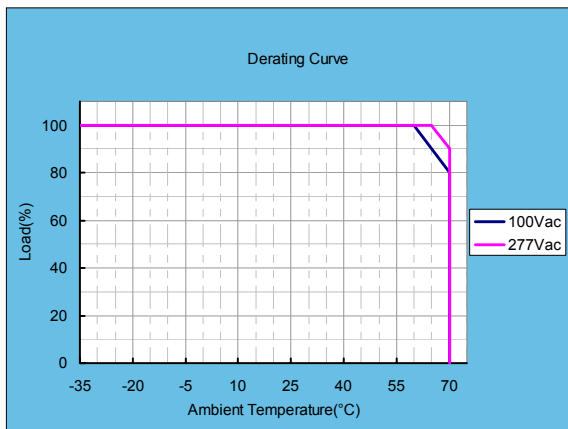
Mechanical Outline



Note: The 3 DC output cables are connected in parallel internally because one AWG #18 wire can only carry 10A. Please connect the 3 red wires together and 3 black wires together in application, or ensure each cable carries same current.

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	Case Weight	SKU Dimensions (W x D x H)	Case Dimensions (W x D x H)
PS12-220W-100-277V	1 unit/SKU	12 SKUs/Case	2.86 lb 1.30 kg	38.6 lb 17.5 kg	8.82"x3.46"x1.30" 224mmx88mmx33mm	19.7"x14.6"x14.0" 500mmx370mmx355mm