



Product Information

Part Number	PS12-180W-3-A
Rated Input Voltage	100 - 277V AC
Maximum Input Voltage	90 - 305V AC
Rated Input Frequency	50 / 60 Hz
AC Input Current	Max 1.85A @ 120V AC Max 0.78A @ 277V AC
Rated DC Output Voltage	12V DC
DC Output Voltage Tolerance	± 2.5%
Number of DC Output Channels	3
Maximum DC Output Power	180W, 60W per channel
Maximum DC Output Current	15A, 5A per channel
DC Output Classification	Class 2
Typical Power Efficiency ¹⁾	85% @ 120V AC 87.5% @ 220V AC 87.5% @ 277V AC
Typical Power Factor	> 0.9 @ 100-277V AC
Typical THD	< 12% @ 100-277V AC ²⁾
Max Inrush Current	Max 4.3 A ² s @ 220V AC, 77°F (25°C) cold start, 1.38 ms
Protection	over voltage, over current, short Circuit, over Temperature
Surge Immunity	AC line to line 4 kV AC line to earth 6 kV
IP Rating	IP67
Operating Ambient Temperature	-40°F to +140°F (-40°C to +60°C)
Operating Case Temperature	-40°F to +167°F (-40°C to +75°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Dimensions (L x W x H)	9.71" x 3.47" x 1.50" 247 mm x 88 mm x 38 mm
Net Weight	3.384 lb 1.535 kg

Notes:

- 1) Measured at full load, 77°F (25°C) ambient temperature
- 2) Measured at 60%-100% load

Features and Benefits

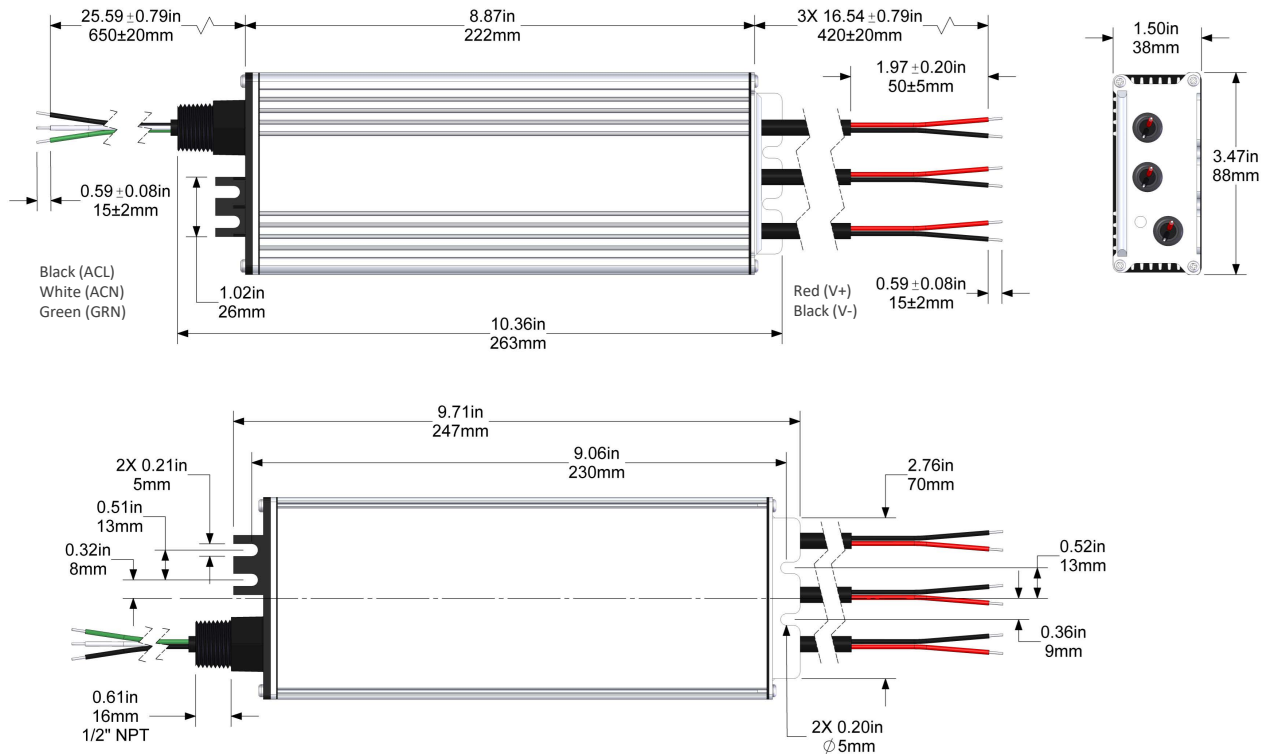
- UL Class 2 certified for signage installations and retrofits
- 3 channels of 60W DC output to reduce number of power supply per sign, most suitable for large box signs and cabinet signs
- ½" NPT threaded connector on AC input and extra long cables for convenience of electrical wiring
- Wide AC input voltage range 100-277V 50/60Hz
- IP67 rated, for use in dry, damp and wet locations
- Compliant with FCC Title 47 CFR Part 15, ANSI C63.4: 2009 Class B
- 5 year limited warranty



Standard Compliance

Safety	Safety Standards	
UL / CUL	UL8750, UL1310 Class 2, UL1012	CSA-C22.2 No. 250.13-12, CSA C22.2 No. 223- M91 Class 2
Country		
USA & Canada		
EMI Standards		
FCC Part 15	ANSI C63.4:2009 Class B	
EN 55015	Conducted emission Test & Radiated emission Test	
EN 61000-3-2	Harmonic current emissions	
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 4 kV, line to earth 6 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	

Dimensions



Note: UL certification requires the power supply spacing to other power supplies, transformers, and ballasts shall be at least 1 inch (25.4 mm) from end to end and 4 inch (101.6 mm) from side to side.

Shipping Information

Part number	Packaging		Case Weight	Box Dimensions			Case Dimensions		
				L	W	H	L	W	H
PS12-180W-3-A	1 unit	12 units	46.87 lb	11.42"	4.92"	2.17"	19.69"	12.60"	9.65"
	per Box	per Case	21.26 kg	290 mm	125 mm	55 mm	500 mm	320 mm	245 mm



1. The maximum case temperature shall not exceed 167°F (75°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.