

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
- 1/2" NPT threaded connector on AC input and extra long cables for convenience of electrical wiring
- Wide AC input voltage range 120-277V 50/60Hz
- IP67 rated, for use in dry and damp locations
- Compliant with FCC Title 47 CFR Part 15, ANSI C63.4: 2009 Class B
- 5 Year Limited Warranty



PRODUCT INFORMATION

Part Number	PS12-180W-3-A
Rated Input Voltage	120 -277V AC
Max. 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	12 V DC
DC Output Voltage Tolerance	± 2.5%
# of DC Output Channels	3
Max. DC Output Power	180W, 60W per channel
Max. DC Output Current	15A, 5A per channel
DC Output Classification	Class 2
Typical Power Efficiency*	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**
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 Temp.	-40° — +140° F (-40° — +60° C)
Operating Case Temp.	-40° — +167° F (-40° — +75° C)
Storage Temp.	-40° — +185° F (-40° — +85° C)
Lifetime	50,000 hours @ 50°C ambient, 100% load
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

* Measured at full load, 77° F (25° C) ambient temperature

** Measured at 60%-100% load

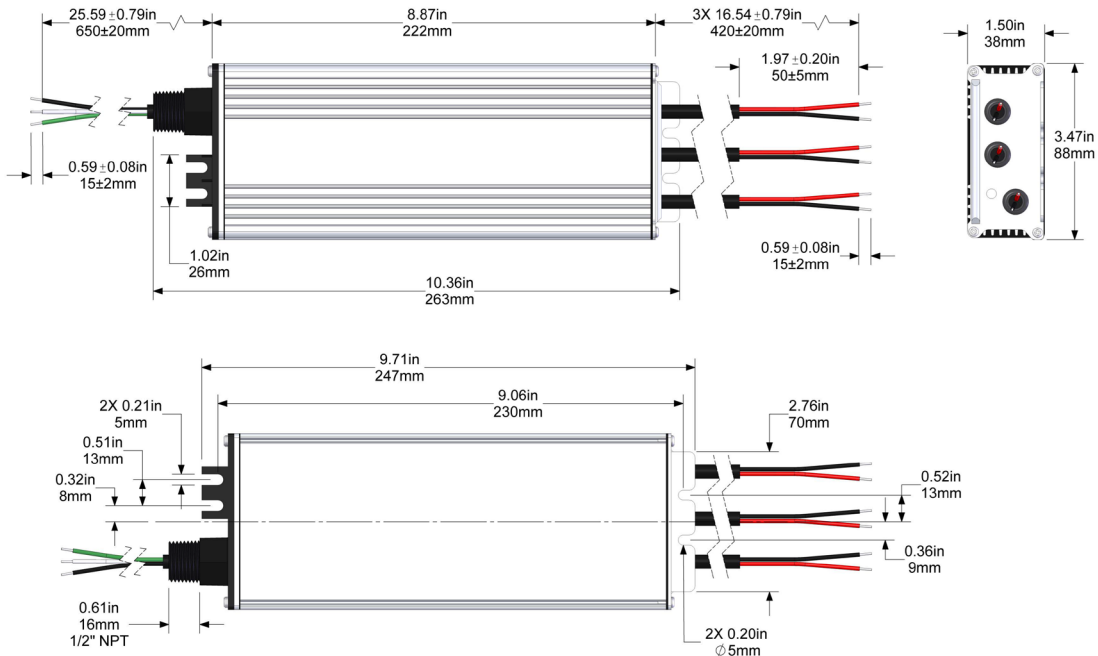
REV: 11MAR2022

Data sheet subject to change without notice.

STANDARD COMPLIANCE

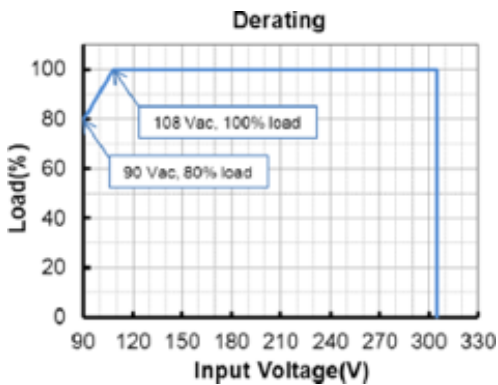
Safety	Safety Standards	
UL / cUL		
Country	UL 8750, UL 1310 Class 2 UL 1012	CSA-C22.2 No.50.13-12, CSA22.2 No. 223 M91 Class 2
USA & Canada		
EMI Standards		
FCC Part 15	ANSI C63.4:2009 Class B	
EN 55015	Conducted emission Test & Radiated emission Test	
EN 61000-3-2	Harmonic current emissions: Class 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 (Level 3 2KV/5K Hz)	
EN 61000-4-5	Surge Immunity Test: AC Power Line (L to N 2 kV, L to GND 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	Immunity against mains dips/ mains interruptions	
EN 61547	Electromagnetic Immunity Requirements Applies to Lighting Equipment	

DIMENSIONS



Note: To prevent exposure to the maximum allowable temperatures for these drivers, the suggested installation spacing between drivers is at least 4 in. (100 mm) side-to-side when the distance to the sidewall and top of the enclosure is 2 in. (50 mm). When the distance to the sidewall and top of the enclosure is 6 in. (150 mm), maintain at least 2 in. (100 mm) side-to-side spacing between drivers. Drivers should be placed a minimum of 1 in. (25 mm) apart when arranging them end-to-end regardless of the enclosure size.

DERATING CURVE



SHIPPING INFORMATION

Module Type	Specs	Packaging Quantity		Carton Weight	Box Dimensions			Case Dimensions			
		Per Box	Per Case		W	D	H	W	D	H	
PS12-180W-3-A	# of Units	1	12	46.87 lb 21.26 kg	4.92	11.42	2.17	12.60	19.69	9.65	inch
					125	290	55	320	500	245	mm



1. The maximum case temperature Tc 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 and damp locations.