

#### Features and Benefits:

- Smaller dimensions to better fit in low profile signs
- 1/2" NPT threaded connector on AC side to simplify electrical wiring
- Wide AC input voltage range 100-277V 50/60Hz
- Active Power Factor Correction (0.96 Typical)
- Surge, over-current, over-voltage, over-temperature and short-circuit protections
- IP67 rated, UL certified 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



12V DC



5 YEAR WARRANTY



**IP67**



**SELV**

**RoHS**

### PRODUCT INFORMATION

<b>Part Number</b>	<b>PS12-60WSL-100-277V</b>
<b>Rated Input Voltage</b>	100 -277V AC
<b>Rated Input Frequency</b>	50/60 Hz
<b>AAC Input Current</b>	Nom. 0.63 A
<b>Rated DC Output Voltage <sup>1</sup></b>	12 V DC
<b>Max. DC Output Power</b>	60W DC
<b>Max. DC Output Current</b>	5.0A DC
<b>Power Efficiency <sup>2</sup></b>	83% @ 220V AC, 100% load
<b>Typical Power Factor</b>	0.96 @ 100V AC 0.95 @ 220V AC
<b>Max. Inrush Current (A) <sup>3</sup></b>	60A
<b>IP Rating</b>	IP67
<b>Operating Ambient Temp.</b>	-40° — +140° F (-40° — +60° C)
<b>Lifetime</b>	50,000 hours @ 45°C ambient, 80% load
<b>Dimensions (L x W x H)</b>	9.67" x 1.35" x 1.68" 246 mm x 34 mm x 43 mm
<b>Net Weight</b>	1.54 lb   0.70 kg

<sup>1</sup> Tolerance ± 0.6V

<sup>2</sup> Measured at 220V AC, 100% load

<sup>3</sup> Measured at 220V AC input and 25°C cold start

### STANDARD COMPLIANCE

Safety	Safety Standards
UL / cUL	CE
Country/Region	UL 8750, UL 1012, UL 879, UL 879A
USA & Canada	EU
	CSA-C22.2 No.207
EMI Standards	
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 (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

REV: 15JAN2025

Data sheet subject to change without notice.

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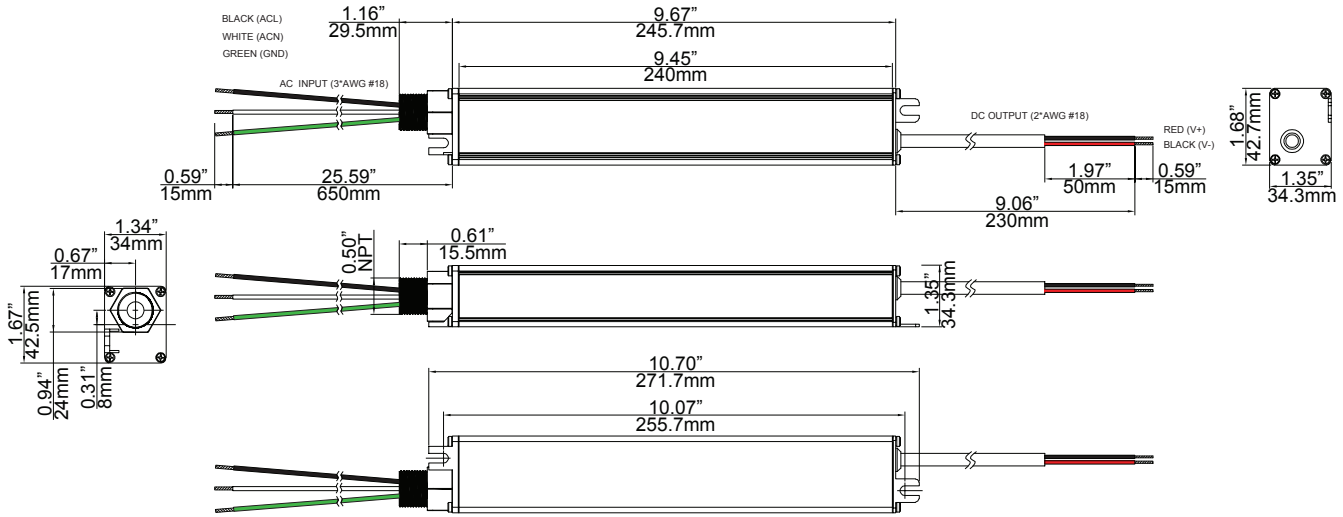
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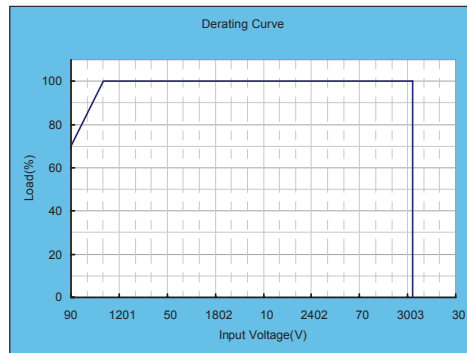
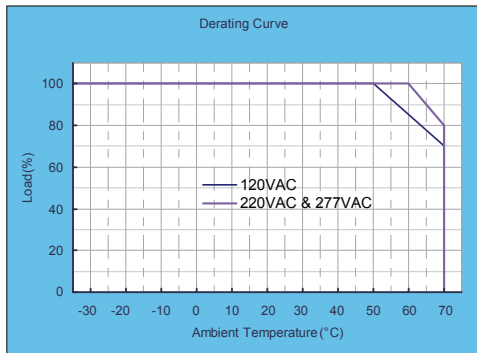
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**DIMENSIONS**



**NOTE:** To prevent exposure to the maximum allowable temperatures for these drivers, the suggested installation spacing between drivers is at least 4 in. (101.6 mm) side-to-side when the distance to the sidewall and top of the enclosure is 2 in. (50.8 mm). When the distance to the sidewall and top of the enclosure is 6 in. (152.4 mm), maintain at least 2 in. (50.8 mm) side-to-side spacing between drivers. Drivers should be placed at a minimum of 1 in. (25.4 mm) apart when arranging them end-to-end regardless of the enclosure size.

**DERATING CURVE**



**WIRING GAUGE CHART**

Gauge (AWG)	Metric (mm <sup>2</sup> )	Maximum Distance*	
		Feet	Meters
26	0.13	3	0.9
24	0.21	4	1.2
22	0.33	7	2.1
20	0.52	11	3.4
18	0.82	18	5.5
16	1.31	29	8.8
14	2.08	45	13.7
12	3.31	71	21.6
10	5.26	120	36.6

\*Distance from power supply to 100% load

**SHIPPING INFORMATION**

Module Type	Specs	Packaging Quantity		Case Weight	SKU Dimensions			Case Dimensions			
		Per SKU	Per Case		W	D	H	W	D	H	
PS12-60WSL-100-277V	# of Units	1	24	40.7 lb 18.46 kg	12.25	2.5	2.25	19.7	12.6	9.7	inch
					311.15	63.5	57.15	500	320	245	mm



1. The maximum case temperature T<sub>c</sub> shall not exceed 194°F (90°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.