

60W 12V DRY/DAMP POWER SUPPLY

The 60W 12V Constant Voltage LED power supply features a wide input voltage range. It is a high-efficiency Class 2 power supply for use in dry and damp locations.

- Constant voltage LED power supply
- Wide voltage input range (100 - 277 VAC)
- Provides constant 12 VDC output
- Low power loss/high efficiency
- Overvoltage, short circuit, overtemperature and overcurrent protections
- White metal casing
- IP65 for dry and damp locations
- 5-year warranty



PRODUCT INFORMATION

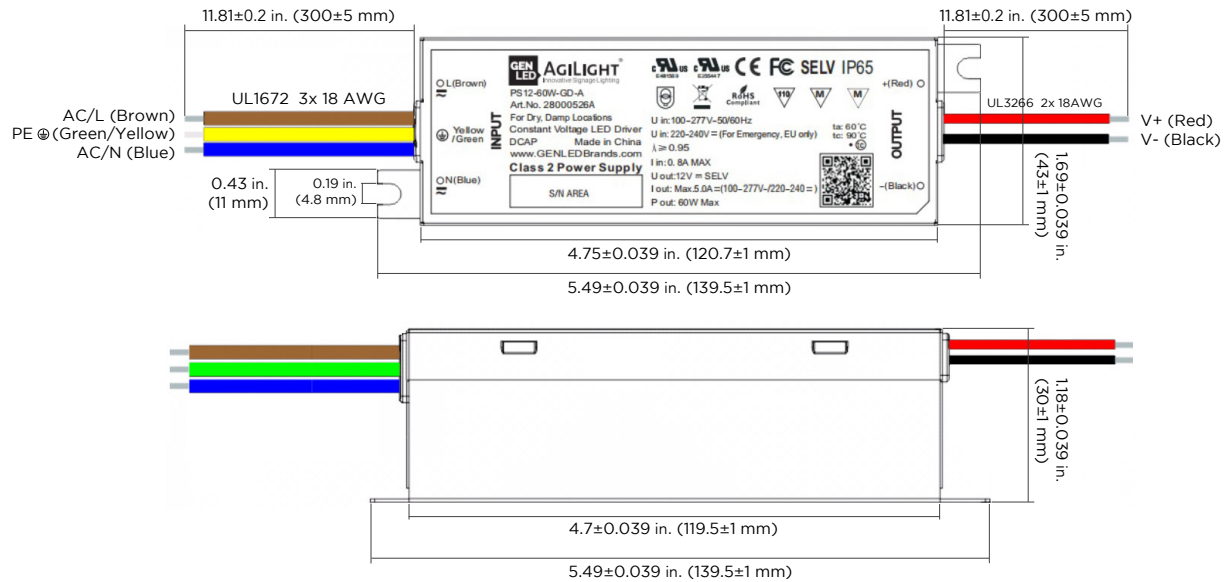
Type	PS12-60W-GD-A	IP Rating	IP65 (dry/damp locations)
Article Number	28000526A	Total Harmonic Distortion	< 20% @ full load
Rated Output Voltage	12 VDC @ full load	Overcurrent Protection	Yes
Rated Output Power	60 W	Short Circuit Protection	Yes
Output Voltage Accuracy	±3%	Overvoltage Protection	Yes
Output Ripple & Noise	150 mV	Overtemperature Protection	Yes @ Tc 95 °C
Line Regulation	±1%	Working Temperature	-40 - 140 °F (-40 - 60 °C)
Load Regulation	±5%	Storage Temperature	-40 - 185 °F (-40 - 85 °C)
Start Time	Cold start ≤ 1000 mS	Dimensions (LxWxH)	5.49x1.69x1.18 in. 139.5x43x30 mm
Input Voltage Range	90 - 305 VAC	Weight	0.66 lb (0.3 kg)
Rated Input Voltage Range	100 - 277 VAC	Safety	Safety Standards
Input Frequency Range	50/60 Hz	UL / cUL	UL879, UL8750, UL1310,
Input Current	0.8 A Max.	Country/Region	FCC Part 15 Class B, EN55015:2019, EN61547:2023, EN61000-3-2:2019, EN61000-3-3:2013, EN61000-4-2:2009, EN61000-4-3:2010, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2013, EN61000-4-8:2010, EN61000-4-11:2020, IEC61347-1:2015, IEC61347-2-13:2014
Inrush Current (cold start)	≤ 50 A	USA & Canada	Europe
Leakage Current	< 0.75 mA		
Efficiency	≥ 84% @ 115 VAC ≥ 86% @ 230 VAC ≥ 86% @ 277 VAC		
PF	≥ 0.95 @ 100 - 277 VAC		

SHIPPING INFORMATION

Product	Specs	Packaging Quantity		Case Weight	SKU Dimensions			Case Dimensions			
		Per SKU	Per Case		W	D	H	W	D	H	
PS12-60W-GD-A	# of Units	1	40	28.66 lb	6.69	1.97	1.57	14.17	10.63	7.09	inch
				13 kg	170	50	40	360	270	180	mm

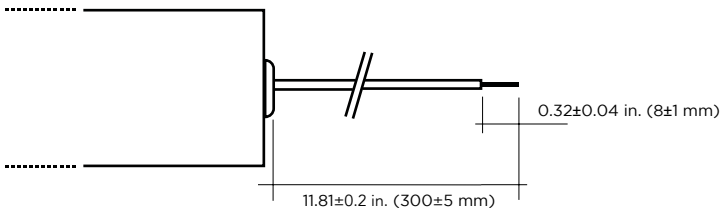


DIMENSION DRAWINGS

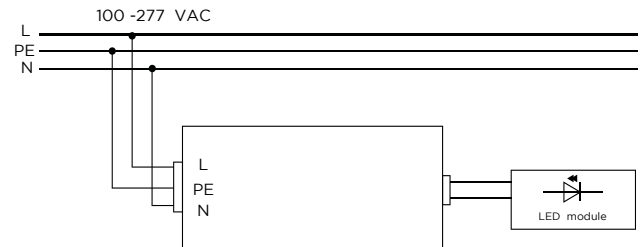


NOTE: To prevent exposure to the maximum allowable temperatures for these drivers, the suggested installation spacing between drivers is at least 4 in. (101.6 mm) side-to-side when the distance to the sidewall and top of the enclosure is 2 in. (50.8 mm). When the distance to the sidewall and top of the 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.

CONNECTION



WIRING DIAGRAM



DRIVER REMOTE DISTANCES		
Wattages	PS12-60W-GD-A	
Wire Gauge	Feet	Meters
24 AWG / 0.20 mm ²	2.48	0.758
22 AWG / 0.33 mm ²	4.21	1.282
20 AWG / 0.52 mm ²	6.43	1.961
18 AWG / 0.82 mm ²	10.41	3.175
16 AWG / 1.31 mm ²	16.82	5.128
14 AWG / 2.08 mm ²	26.67	8.130
12 AWG / 3.31 mm ²	42.05	12.821
10 AWG / 5.26 mm ²	66.26	20.202
8 AWG / 8.37 mm ²	104.13	31.746

NOTE: Calculations include a standard 10% buffer

Primary Cable			Secondary Cable	
L	N	PE	+	-
brown	blue	green/yellow	red	black

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