

Date _____

Project _____



WPX-PSU POWER SUPPLY

Product Description

The WPX-PSU is an AC/DC LED Constant Voltage driver. The WPX-PSU operates from 90-305VAC. Thanks to the high efficiency of up to 95%, with the fan-less design; the entire series is able to operate for -40°C to +60°C under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. All models include wet-location junction boxes for a simple, clean and reliable field installation.

Product Features

- Constant Voltage 48VDC Output
- Variable 90-305VAC Input
- Extruded Aluminum Metal Housing
- Built-In Wet-Location Junction Boxes
- IP67 Rating for Indoor or Outdoor Installations
- Typical Lifetime >100,000 Hours
- 5 Year Warranty

Ordering Information

Product	Rated Wattage					
WPX-PSU	80	120	240	320	480	600
	80 Watt	120 Watt	240 Watt	320 Watt	480 Watt	600 Watt

WPX Fixtures Per Power Supply

Length-Output	Fixture Watts	Fixtures Supported per Power Supply					
		PSU-80	PSU-120	PSU-240	PSU-320	PSU-480	PSU-600
WPX8-SO	50 W	1	2	4	5	8	10
WPX6-SO	37 W	2	3	6	7	9	10
WPX4-SO	25 W	3	4	8	10	13	15
WPX2-SO	12 W	6	8	14	20	22	22
WPX8-HO	80 W	0	1	2	3	5	6
WPX6-HO	60 W	1	1	3	4	7	8
WPX4-HO	40 W	1	2	5	7	9	9
WPX2-HO	20 W	3	4	9	13	16	16
WPX8-SHO	115 W	0	1	1	2	3	4
WPX4-SHO	58 W	1	2	3	5	7	8

Product Specifications

Input

Input Voltage Range: 110-277VAC
Frequency Range: 50-60Hz
Power Factor: PF_≥ 0.98/115 VAC @ Full Load
Total Harmonic Distortion: THD <20%

	Input AC Current		
	115VAC	230VAC	277VAC
PSU-80	0.85A	0.425A	0.4A
PSU-120	1.4A	0.6A	0.55A
PSU-240	4A	2A	1.2A
PSU-320	3.5A	1.65A	1.45A
PSU-480	5A	2.45A	2A
PSU-600	7A	3.3A	2.9A

Efficiency					
PSU-80	PSU-120	PSU-240	PSU-320	PSU-480	PSU-600
91%	93%	93%	95%	95%	96%

Output

Output Voltage: 48 VDC

Output Current					
PSU-80	PSU-120	PSU-240	PSU-320	PSU-480	PSU-600
1.7A	2.5A	5A	6.7A	10A	12.5A

Output Power					
PSU-80	PSU-120	PSU-240	PSU-320	PSU-480	PSU-600
80W	120W	240W	320W	480W	600W

Protection

Over Current: Constant Current Limiting, Recovers Automatically after Fault Condition is Removed

Short Circuit: Hiccup Mode, Recovers Automatically after Fault Condition is Removed

Over Voltage: Shut Down and Latch off O/P Voltage, Re-Power On to Recover

Over Temperature: Shut Down O/P Voltage, Recovers Automatically after Temperature goes Down

Environment

Ambient Temperature: Tcase= -40°C to +60°C

Maximum Case Temperature: +90°C

Working Humidity: 20 to 95% RH Non-Condensing

Storage Temperature Humidity: -40°C to +80°C, 10 to 95% RH

Temperature Coefficient: ± 0.03%/°C (0°C to 50°C)

Vibration: 10 to 500Hz, 5G 12 Minutes/1 Cycle, Period for 72 Minutes each along X, Y & Z Axes



INDUSTRIAL LIGHTING

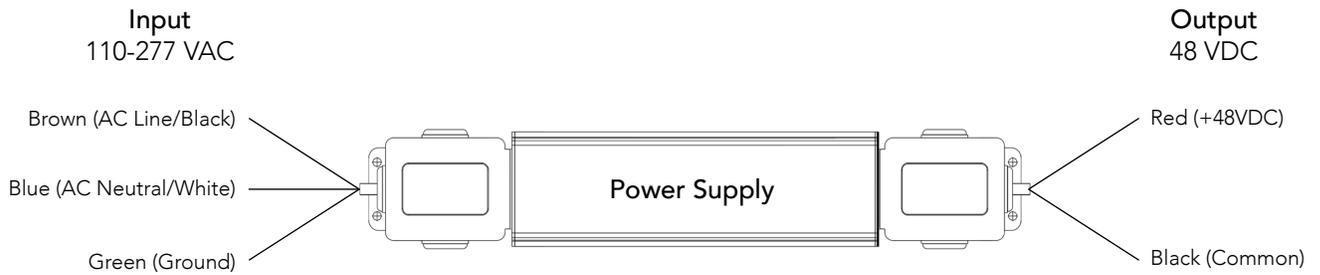
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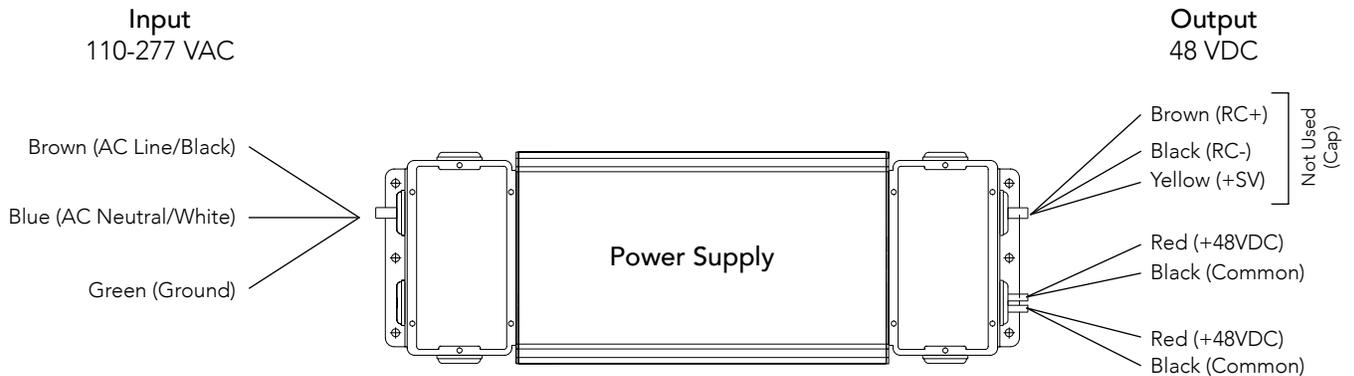


WPX-PSU POWER SUPPLY

Wiring Diagram (WPX-PSU-80/120/240/320/480)



Wiring Diagram (WPX-PSU-600)



Dimensions

Power Supply Dimensions (mm)

	Length	Width (Max)	Depth (Height)
PSU-80	344.0	61.5	38.8
PSU-120	368.0	68.0	38.8
PSU-240	392.2	68.0	38.8
PSU-320	397.2	90.0	43.8
PSU-480	397.2	125.0	43.8
PSU-600	433.2	144.0	48.5

Rev Date 18 0604

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