

Switching Power Supplies

Features

- High Power in Compact Size
- 15W Wallplug, 60W and 120W Desktop Models
- WallPlug AC Connector Oriented for Better Plug Utilization
- Short Circuit and Overcurrent Protection

Applications

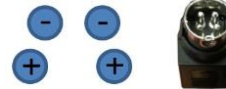
- Wireless Access Points and Client Devices
- IP Phone and Security Camera Systems

Description

The PS Series low cost auto ranging switching wall plug power supplies have up to 18W capacity. The desktop are 60W or 120W capacity. They are available in a North American plug or European Plug model.

The small size and unique AC plug orientation of the wallplug power supply takes up less room on a plug strip or wall socket because it only takes a single position. Supplies are certified by UL, CE & comply with RoHS requirements. The 15W to 60W come with a 5.5/2.1mm DC Barrel Connector with center positive. The 120W comes with a locking 4pin Mini DIN connector. The Pinout of the DIN Connector is as follows:

(Note: Mating 4P Mini Power DIN Connector CUI Inc. Model:PD-40)



Specifications

	PS15V	PS18V	PS24V	PS48V
Input Operating Range	100-264VAC 50/60Hz			
Maximum Power	15W			
Input In-rush Current	30A Max			
Input Current	0.4A Max			
Static Power Consumption	0.5W Max			
Output Voltage	15 VDC +/-0.9V	18 VDC +/-0.9V	24 VDC +/-0.9V	48 VDC +/-0.9V
Continuous Load Current	0.9 A	0.8 A	0.55 A	0.3 A
Ripple and Noise	150mV Max			
Efficiency	78% Minimum			
Dielectric Strength	3000V rms / 50Hz, 3 sec, 5mA Max			
Insulation Resistance	10MΩ min at 500VDC			
Protection	Short Circuit, Overshoot (10%), Over Temperature			
Operating Temp	-10°C to 40°C (14°F to 104°F)			
Operating Humidity	10% to 90% non- condensing			
Storage Temp	-40°C to 80°C (-40°F to 176°F)			
DC Plug / Cable Length	5.5 x 2.1mm x 11mm DC Barrel Center Positive / 1800mm (70")			
Case Size	74.5 x 42 x 29.5mm (2.9 x 1.65 x 1.2")			
Weight	86 g (3 oz)			
Warranty	1 Year			

	PS15V-4	PS24V-2.5	PS48V-1.25	PS24V-5.0	PS48V-2.5
Input Operating Range	90-264VAC 47/63Hz				
Maximum Power	60W			120W	
Input In-rush Current	50A Max			30A Max	
Input Current	1.2A Max			1.8A Max	
Static Power Consumption	0.5W Max			0.6W Max	
Output Voltage	15 VDC +/- 1V	24 VDC +/-1.2V	48 VDC +/-2.4V	24.3 – 24.5 VDC	48.3 – 48.5 VDC
Continuous Load Current	4.0 A	2.5 A	1.25 A	5.0 A	2.5 A
Ripple and Noise	200mVp-p Max	240mVp-p Max	480mVp-p Max	180mVp-p Max	200mVp-p Max
Efficiency	80% Minimum				
Dielectric Strength	3000V rms / 50Hz, 3 sec, 5mA Max				
Insulation Resistance	100MΩ min at 500VDC				
Protection	Short Circuit, Over-Current				
Operating Temp	-10°C to 40°C (14°F to 104°F)			-10°C to 40°C (14°F to 104°F)	
Operating Humidity	20% to 80% non- condensing			5% to 90% non- condensing	
Storage Temp	-40°C to 80°C (-40°F to 176°F)			-40°C to 85°C (-40°F to 185°F)	
DC Plug / Cable Length	5.5 x 2.1mm x 11mm DC Barrel / 1.2m (48")			4P Mini DIN / 18AWG 1.2m (48")	
Case Size	115 x 57 x 32mm (4.5 x 2.2 x 1.3")			168 x 67 x 33mm (6.6 x 2.6 x 1.3")	
Weight	312 g (11 oz)			480 g (17oz)	
Warranty	1 Year				

System Ordering:

- PS15V** 15V 0.9A Wallplug Power Supply. 1.8M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS18V** 18V 0.8A Wallplug Power Supply. 1.8M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS24V** 24V 0.55A Wallplug Power Supply. 1.8M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS48V** 48V 0.3A Wallplug Power Supply. 1.8M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
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- PS15V-4** 15V 4.0A Desktop Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS24V-2.5** 24V 2.5A Desktop Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS48V-1.25** 48V 1.25A Desktop Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
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- PS24V-5.0** 24V 5.0A Desktop Power Supply. 1.2M DC Cable. 4Pin Mini DIN, UL, CE & RoHS certification
- PS48V-2.5** 48V 2.5A Desktop Power Supply. 1.2M DC Cable. 4Pin Mini DIN, UL, CE & RoHS certification

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