

## Switching Power Supplies

### Features

- High Power in Compact Size
- 18W Wallplug, 60W and 120W Desktop Models
- WallPlug AC Connector Oriented for Better Plug Utilization
- Short Circuit and Overcurrent Protection

### Applications

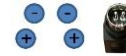
- Wireless Access Points and Client Devices
- IP Phone and Security Camera Systems

### 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 18W to 60W come with a 5.5/2.1mm DC Barrel Connector. 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

	PS12V	PS15V	PS18V	PS24V	PS48V
Input Operating Range	100-264VAC 50/60Hz				
Maximum Input Power	18.5W				
Input In-rush Current	30A Max				
Input Current	0.4A Max				
Static Power Consumption	0.5W Max				
Output Voltage	12 VDC +/-0.9V	15 VDC +/-0.9V	18 VDC +/-0.9V	24 VDC +/-0.9V	48 VDC +/-0.9V
Continuous Load Current	1.2 A	1.0 A	0.8 A	0.5 A	0.375A
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 DC Barrel / 1200mm (48")				
Case Size	74.5 x 42 x 29.5mm (2.9 x 1.65 x 1.2")				
Weight	86 g (3 oz)				

	PS15V-4	PS24V-2.5	PS48V-1.25	PS24V-5.0	PS48V-2.5
Input Operating Range	90-264VAC 47/63Hz				
Maximum Input 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	-20°C to 40°C (-4°F to 104°F)			-40°C to 40°C (-40°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 DC Barrel / 1200mm (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)	

**Notes:**

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems PS Power Supplies carry a 1 year warranty

## System Ordering:

- PS12V** 12V 1.2A Wallplug Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS15V** 15V 1.0A Wallplug Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS18V** 18V 0.8A Wallplug Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS24V** 24V 0.5A Wallplug Power Supply. 1.2M DC Cable. 5.5/2.1mm DC Plug, UL, CE & RoHS certification
- PS48V** 48V 0.375A Wallplug Power Supply. 1.2M 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

\*Add EU suffix for Euro Plug model

## For further information contact:

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