

Switching Power Supplies

Features

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

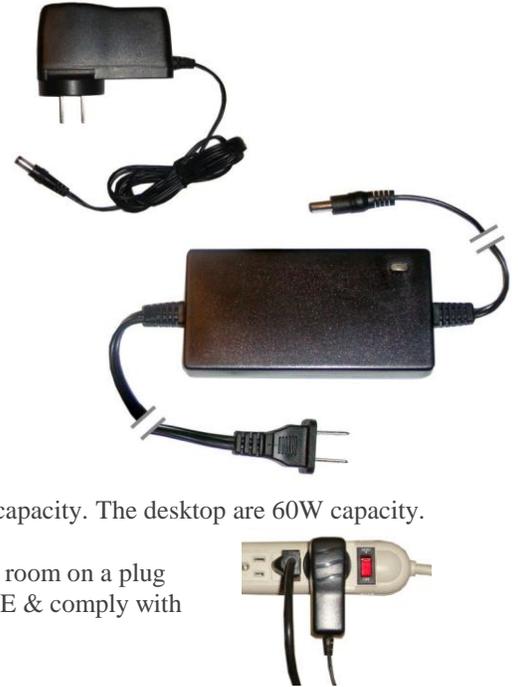
Applications

- 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 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.



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 / 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
Input Operating Range	90-264VAC 50/60Hz		
Maximum Input Power	60W		
Input In-rush Current	50A Max		
Input Current	1.2A Max		
Static Power Consumption	0.5W Max		
Output Voltage	15 VDC +/- 1V	24 VDC +/-1.2V	48 VDC +/-2.4V
Continuous Load Current	4.0 A	2.5 A	1.25 A
Ripple and Noise	200mVp-p Max	240mVp-p Max	480mVp-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)		
Operating Humidity	20% to 80% non- condensing		
Storage Temp	-40°C to 80°C (-40°F to 176°F)		
DC Plug / Cable Length	5.5 x 2.1mm / 1200mm (48")		
Case Size	115 x 57 x 32mm (4.5 x 2.2 x 1.3")		
Weight	312 g (11 oz)		

Notes:

- All shipments F.O.B. Draper, UT 84020
- 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

- 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

*Add EU suffix for Euro Plug model

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