![TYCON Power Systems logo]

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**
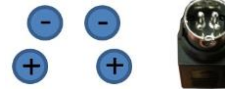
Applications

- **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

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

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

For further information contact:

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