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## 18 Watt Universal 3-Wire Input Adapter PSC18U-480(P) Power Supply



### Features

- Low Cost
- Efficiency Level IV Compliance
- Class B EMI
- Non-vented/Spill-proof Case
- Low Profile Design

### Applications

- VoIP / IP Phones
- Videoconferencing Systems

### Safety Approvals

- cUL/UL60950-1
- CE
- TUV EN60950-1

### Mechanical Characteristics

- Length: 103mm (4.06in)
- Width: 49mm (1.93in)
- Height: 33.5mm (1.32in)
- Weight: 400g (12.86oz.)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSC18U-480(P)	+48V	0A	0.38A	400mV	±5%		IV

(1) Measured with using 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**PSC18U-480(P) Characteristics**

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**INPUT:**

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Frequency**  
47 to 63Hz

**Input Current**  
0.5A (rms) max. @ 115VAC  
0.25A (rms) max. @ 230VAC

**Leakage Current**  
0.25mA max. @ 230VAC 50hz.

**Inrush Current (cold start @ ambient 25°C)**  
20A for 115VAC at max. load  
40A for 230VAC at max. load

**Input Power Saving**  
0.5W maximum at no load

**OUTPUT:**

**Efficiency**  
> 76% average efficiency

**Hold-up Time**  
10mS Min. @ 100VAC

**Over-Voltage Protection**  
< 72V

**Over-Current Protection**  
Auto restart

**Short-Circuit Protection**  
Output can be shorted without damage

**ENVIRONMENTAL**

**Temperature**  
Operation 0 to +40°C  
Non-operation -40 to +85°C

**Relative Humidity**  
Operation 5 to 90% Non-Condensing  
Non-operation 5 to 90% Non-Condensing

**Emissions**  
FCC Class B  
EN55022 Class B / CISPR22 Class B

**Immunity**  
EN 50082-1: (EN55024)  
EN 61000-4-2, Level 4  
EN 61000-4-3, Level 3  
EN 61000-4-4, Level 3  
EN 61000-4-5, Level 3  
EN 61000-4-6, Level 3  
EN 61000-4-11  
EN 61000-3-2 (A1+A2+A14): Harmonics  
GB 17625:1-1998  
EN 61000-3-3: Flicker

**Dielectric Withstand (Hi-pot) Test**  
Primary to Secondary: 3000VAC for 1 minute, 10mA

**DC Output Connector**  
2.1mm x 5.5mm center positive standard

**Dimension Diagram Unit: mm**

