



**18 Watt Universal 3-Wire Input Adapter  
PSC18U-480(P) Adapter Meets CEC and EISA Requirements**



**Features**

- Low Cost
- Efficiency Level V Compliance
- Meets Ecodesign ErP Directive 2009/125/EC level 2 annex 1b
- Non-vented/Spill-proof Case
- Low Profile design
- Class B EMI

**Applications**

- VoIP/ IP Phones
- Videoconferencing Systems

**Safety Approvals**

- cUL/UL
- CE
- TUV

**Mechanical Characteristics**

- Length: 103mm (4.06in)
- Width: 49mm (1.93in)
- Height: 33.5mm (1.32in)
- Weight: 165.2g (5.27oz.)

**Output Specifications**

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

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

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**Input:**

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

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

**AC Input Frequency**  
47 to 63Hz

**Input Current**  
0.5A (RMS) maximum at 115V AC  
0.25A (RMS) maximum at 230V AC

**Leakage Current**  
0.25mA maximum at 230V AC and 50Hz

**Inrush Current**  
20A for 115V AC at maximum load  
40A for 230V AC at maximum load  
(Cold start at ambient 25°C)

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

**Output:**  
**Efficiency**  
≥80% efficiency meets Level V

**Hold-up Time**  
10mS minimum at 100V AC

**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%

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

**Immunity**  
EN50082-1: (EN55024)  
EN61000-4-2 Level 4  
EN61000-4-3 Level 3  
EN61000-4-4 Level 3  
EN61000-4-5 Level 3  
EN61000-4-6 Level 3  
EN61000-4-11  
EN61000-3-2 (A1+A2+A14): Harmonics  
GB17625: 1-1998  
EN61000-3-3: Flicker

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

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

**Dimension Diagram Unit: mm**

