



# PSAW36I Series 36W Power Supply



- Interchangeable Plugs for Worldwide Use
- Class II Configuration
- Efficiency Level VI
- <100mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation



\*Note: Country specific approvals may not apply to all models shown. Please consult factory.

## Electrical Specifications

<p><b>Input</b></p> <p>Input Voltage: 90-264VAC              Input Frequency: 47-63 Hz              Input Current: 1.3A Max.              Inrush Current: &lt;40A peak @ 264VAC, cold start at 25°C              No Load Power Consumption: &lt; 100mW, meets DOE level VI Requirements</p>	<p><b>Environmental &amp; Operating</b></p> <p>Operating Temperature: 0°C to +40°C              Storage Temperature: -20°C to +80°C              Humidity: 10% - 90% non-condensing              MTBF: &gt;100,000 hours per MIL-HDBK-217F at full load and 25°C ambient</p>
<p><b>Output</b></p> <p>Output Power: 36W Max, see table for details              Output Voltage: see table              Turn On Time: &lt;3S @100-200VAC input &amp; full output load              Rise Time: 20mS max. @ full load              Fall Time: 20mS max. @ full load              Line Regulation: ± 1% of rated output voltage at full load              Load Regulation: ± 5% of rated voltage from 0 to full load              Transient Response: Maximum voltage excursion of 5% for 25% load change with 0.25A/uS slew rate              Efficiency: Meets DOE level VI requirements</p>	<p><b>Compliance</b></p> <p><b>Safety Approvals</b></p> <p>USA: UL60950-1              Canada: cUL60950-1              Europe: CB Report, CE Report              FCC Class B Radiated &amp; Conducted              CISPR22 Class B Radiated &amp; Conducted              EN55022 Class B Radiated &amp; Conducted</p> <p><b>EMC:</b></p> <p>Harmonic Currents: IEC 61000-3-2              Voltage Flicker: IEC 61000-3-3              Electrostatic Discharge: IEC 61000-4-2              Radiated Immunity: IEC 61000-4-3              EFT/Burst: IEC 61000-4-4              Surge Immunity: IEC 61000-4-5              Conducted Immunity: IEC 61000-4-6              Magnetic Field: IEC 61000-4-8              Dips / Interruptions: IEC 61000-4-11</p>
<p><b>Protection</b></p> <p>Short Circuit Protection: Hiccup mode. Auto recovery.              Overcurrent Protection: 150-200% of rated current. Auto-restart when fault removed.</p>	<p><b>General</b></p> <p>Dimensions: 3.83"(97.3mm) x 1.78"(45.3mm) x 1.22"(31mm)              AC Input: Interchangeable plugs              Output Plug: Barrel Type: 5.5mm x 2.5mm x 10mm              Center positive (others available)              Weight: 0.44 pounds</p>

Model No.	Output voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p) <sup>2</sup>	Efficiency Level
PSAW36I-10-B2 <sup>1</sup>	5V	4A	20W	±5%	100mV	VI
PSAW36I-11-B2	9V	4A	36W	±5%	100mV	VI
PSAW36I-12-B2	12V	3A	36W	±5%	120mV	VI
PSAW36I-13-B2	15V	2.4A	36W	±5%	150mV	VI
PSAW36I-13-1-B2	18V	2A	36W	±5%	180mV	VI
PSAW36I-13-2-B2	19V	1.89A	36W	±5%	190mV	VI
PSAW36I-14-B2	24V	1.5A	36W	±5%	200mV	VI
PSAW36I-17-B2	36V	1A	36W	±5%	200mV	VI

1. PSAW36I-10-B2 is equipped with a 1m output cable. All other models are equipped with a 1.2m output cable as standard.
2. Ripple and noise is measured at output within 20MHz bandwidth, at rated line voltage and full load, with a 10  $\mu$ F tantalum capacitor in parallel with a 0.1  $\mu$ F ceramic capacitor across the output.

### Mechanical Outline

