



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>Input</p> <p>Input Voltage: 90-264VAC Input Frequency: 47-63 Hz Input Current: 1.3A Max. Inrush Current: <40A peak @ 264VAC, cold start at 25°C No Load Power Consumption: < 100mW, meets DOE level VI Requirements</p>	<p>Environmental & Operating</p> <p>Operating Temperature: 0°C to +60°C (Derate output power linearly from 100% at 40°C to 50% at 60°C) Storage Temperature: -20°C to +80°C Humidity: 10% - 90% non-condensing MTBF: >100,000 hours per MIL-HDBK-217F at full load and 25°C ambient</p>
<p>Output</p> <p>Output Power: 36W Max, see table for details Output Voltage: see table Turn On Time: <3S @100-200VAC input & 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>Compliance</p> <p>Safety Approvals: USA (UL60950-1), Canada (cUL60950-1), Europe (CB Report, CE Report) EMC: FCC Class B Radiated & Conducted, CISPR22 Class B Radiated & Conducted, EN55022 Class B Radiated & Conducted</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>Protection</p> <p>Short Circuit Protection: Hiccup mode. Auto recovery. Overcurrent Protection: 150-200% of rated current. Auto-restart when fault removed. Ingress Protection: IP22 Compliant</p>	<p>General</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) ²	Efficiency Level
PSAW36I-10-B2 ¹	5V	4A	20W	±5%	200mV	VI
PSAW36I-11-B2	9V	4A	36W	±5%	200mV	VI
PSAW36I-12-B2	12V	3A	36W	±5%	200mV	VI
PSAW36I-13-B2	15V	2.4A	36W	±5%	200mV	VI
PSAW36I-13-1-B2	18V	2A	36W	±5%	200mV	VI
PSAW36I-13-2-B2	19V	1.89A	36W	±5%	200mV	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 μF tantalum capacitor in parallel with a 0.1 μF ceramic capacitor across the output.

Mechanical Outline

