



PSAW65I Series 65W Power Supply



- Interchangeable Plugs for Worldwide Use
- Class II Configuration
- Efficiency Level VI
- <210mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation



Electrical Specifications

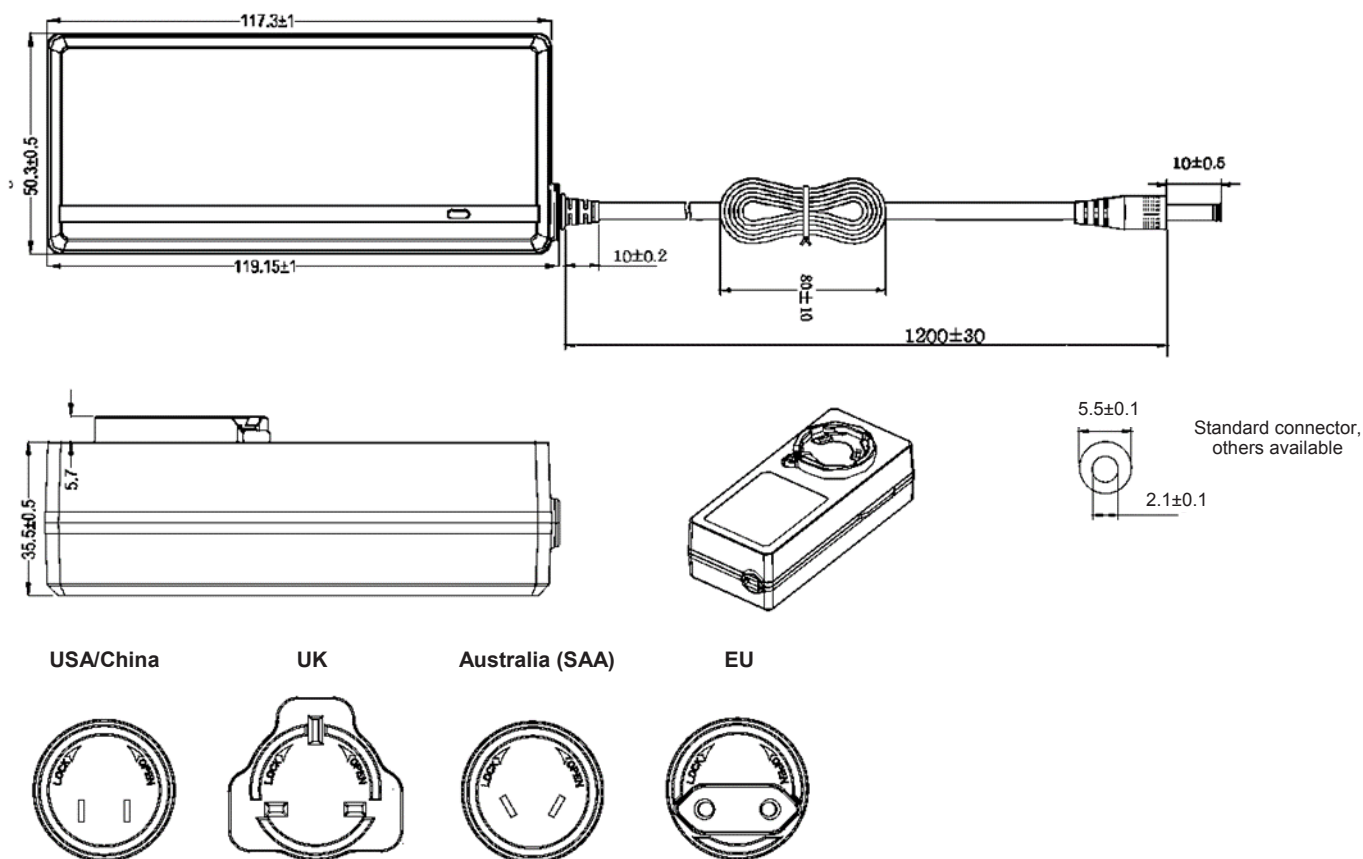
<p>Input</p> <p>Input Voltage: 90-264VAC Input Frequency: 47-63 Hz Input Current: 1.5A Max. Inrush Current: <40A peak @ 264VAC, cold start at 25°C No Load Power Consumption: < 210mW, meets DOE level VI requirements</p>	<p>Environmental & Operating</p> <p>Operating Temperature: 0°C to +60°C (Derate output power linearly from 100% at 40°C to 50% at 60°C) Storage Temperature: -20°C to +80°C Humidity: 10% - 90% non-condensing Operating Altitude: <2000m MTBF: >100,000 hours per MIL-HDBK-217F at full load and 25°C ambient</p>
<p>Output</p> <p>Output Power: 65W max, see table for details Output Voltage: see table Turn On Time: <3S @100-240VAC input & full output load Rise Time: 20mS max. @ full load Fall Time: 20mS max. @ full load Hold-up time: 10mS min @ full load 115VAC input Line Regulation: 20mS min @ full load 230VAC input Load Regulation: ± 1% of rated output voltage at fixed load Transient Response: ± 5% of rated voltage from 0 to full load Efficiency: Maximum voltage excursion of 5% for 25% load change with 0.25A/uS slew rate. Recovery time: 200uS Meets DOE level VI requirements</p>	<p>Compliance</p> <p>Safety Approvals</p> <p>USA: UL60950-1 Canada: cUL60950-1 Europe: CB Report, CE Report RCM (Australia)</p> <p>EMC:</p> <p>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: ±8 KV air, ±4 KV contact Radiated Immunity: IEC 61000-4-3: 3V/m EFT/Burst: IEC 61000-4-4: ±1 KV Surge Immunity: IEC 61000-4-5: ±1 KV differential mode Conducted Immunity: IEC 61000-4-6: 3Vrms Magnetic Field: IEC 61000-4-8: 1A/m Dips / Interruptions: IEC 61000-4-11: 30% reduction for 500 ms, and >95% reduction for 10 ms</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: 4.62"(117.3mm) x 1.98"(50.3mm) x 1.40"(35.5mm)</p> <p>AC Input: Interchangeable Plugs for Worldwide Use Output Plug: Barrel Type: 5.5mm x 2.1mm x 10mm Center positive (others available)</p> <p>Weight: 0.60 pounds</p>

Specifications subject to change.
 PSAW65I: May 4, 2018

Model No.	Output voltage	Current	Total Power	Output Regulation	Ripple & Noise (Vp-p) ¹	Efficiency Level
PSAW65I-12-B1	12VDC	5A	60W	±5%	200mV	VI
PSAW65I-13-B1	15VDC	4.33A	65W	±5%	200mV	VI
PSAW65I-13-1-B1	18VDC	3.61A	65W	±5%	200mV	VI
PSAW65I-13-2-B1	19VDC	3.42A	65W	±5%	200mV	VI
PSAW65I-14-B1	24VDC	2.70A	65W	±5%	240mV	VI
PSAW65I-17-B1	36VDC	1.80A	65W	±5%	360mV	VI
PSAW65I-18-B1	48VDC	1.35A	65W	±5%	480mV	VI

1. Ripple and noise is measured at output within 20MHz bandwidth, at rated line voltage and full load, with a 10 μ F tantalum capacitor in parallel with a 0.1 μ F ceramic capacitor across the output.

Mechanical Outline



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