



- Efficiency Level V
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant
- Class II Double Insulated

### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	<0.8A @ 90VAC
Safety Isolation	3.0kVAC Input to Output 1.5kVAC Input to Ground
Inrush Current	30A @ 100VAC 75A @ 240VAC
No Load Power	0.3 Watts

#### Output

Total Output	24W
Output Voltage	See table
Hold Up Time	>10 msec @ 100Vac/60Hz
Turn On Time	<3 seconds
Efficiency	>75% min @ 100~240Vac, 50/60Hz
Minimum Load	No minimum load
Switching Frequency	65 kHz typical

#### Protection

Overvoltage	120%-150% of rated voltage. Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery.
Overcurrent	120%-150% of rated current. Auto-restart when fault removed.

#### Environmental & Operating

Operating Temperature	-20°C to +40°C
Storage Temperature	-25°C to +75°C
Humidity	0% - 90% non-condensing
MTBF:	>100,000 per MIL-HDBK-217F @ full load and at 25°C

#### Compliance

##### Safety Approvals

USA	UL60950
Canada	CSA C22.2 No. 60950-1
Europe	SGS EN60950-1 CB Report

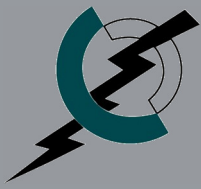
##### EMC:

CE Mark	FCC Class B Radiated & Conducted EN55022: 2006+A1: 2007 Class B EN61000-3-2:2006+A1: 2009+A2:2009
Harmonic Currents	IEC 61000-3-3: 2008
Voltage Flicker	IEC 61000-4-2: 2009
Electrostatic Discharge	IEC 61000-4-3: 2006+A1: 2008+A2: 2010
Radiated Immunity	IEC 61000-4-4: 2004+A1: 2010
EFT/Burst	IEC 61000-4-5: 2006
Surge Immunity	IEC 61000-4-6: 2009
Conducted Immunity	IEC 61000-4-8: 2010
Magnetic Field	IEC 61000-4-11: 2004
Dips / Interruptions	

#### General

Dimensions	2.9"L x 2.0"W x 1.4"H
AC Input	North America (others available)
DC Output Plug	Barrel Type: 2.5mm x 5.5mm x 10mm Center positive polarity (other connectors available upon request)

Weight	0.25 pounds
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### Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (Vp-p)
PSAW24-11-B2	9VDC	2.7A	24W	+/-5%	+/-1%	100mV
PSAW24-12-B2	12VDC	2.0A	24W	+/-5%	+/-1%	120mV
PSAW24-12-B1	12VDC	2.0A	24W	+/-5%	+/-1%	120mV
PSAW24-12-B29	12VDC	2.0A	24W	+/-5%	+/-1%	120mV
PSAW24-13-B2	15VDC	1.5A	24W	+/-5%	+/-1%	150mV
PSAW24-13-1-B2	18VDC	1.3A	24W	+/-5%	+/-1%	150mV
PSAW24-14-B2	24VDC	1.0A	24W	+/-5%	+/-1%	240mV

Notes: For optional 5.5x2.1mm connector change suffix to B1  
 For optional 4.75x1.75mm connector change suffix to B29

### Mechanical Outline

