



- Efficiency Level V
- <500mW No Load Power Consumption
- Short Circuit Protection
- Overload Protection
- No Load Operation
- 100% Burn-In/Hi-Pot Testing
- RoHS Compliant
- All Models LPS Compliant

Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	<1.5A @ 90VAC/60Hz, full load
Safety Isolation	3kVAC input to output 1.5VAC input to ground 500VAC output to ground
Leakage Current	250µA max at 264VAC/60Hz
Inrush Current	30A at 100VAC, full load 75A for 240VAC, full load
No Load Power	0.5Watts

Output

Total Output	60W
Output Voltage	See table
Hold Up Time	10mS minimum, 100VAC, full load
Turn On Time	3 seconds maximum, 100VAC, full load
Efficiency	Up to 89%
Minimum Load	No minimum load
Switching frequency	65KHz 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. Hiccup mode, auto-restart when fault removed.
Overtemperature	Output shuts down when case temperature exceeds 65C

Environmental & Operating

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

Safety & EMC

Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	SGS EN60950-1 CB Report CE Mark
EMC:	FCC Class B Radiated & Conducted EN55022: 2006+A1: 2007 Class B EN61000-3-2:2006+A1: 2009+A2:2009 EN61000-3-3:2008 EN61000-4-2:2009 EN61000-4-3:2006+A1: 2008+A2:2010 EN61000-4-4:2004+A1:2010 EN61000-4-5:2006 EN61000-4-6:2009 EN61000-4-8:2010 EN61000-4-11:2004
Harmonic Currents	
Voltage Flicker	
Electrostatic Discharge	
Radiated Immunity	
EFT/Burst	
Surge Immunity	
Conducted Immunity	
Magnetic Field	
Dips / Interruptions	

General

Dimensions	4.72"L x 2.01W x 1.34"H
AC Input Receptacle	IEC320-C14, IEC320-C8
DC Output Plug	Barrel Type: 2.1mm x 5.5mm x 10mm Center positive polarity (others upon request)
Weight	0.5 lbs



Models and Ratings Chart

Model	Voltage	Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (p-p)	Efficiency Level	LPS Compliant
PSAD60-10	5VDC	6.0A	30W	+/-5%	+/-1%	50mV		Yes
PSAD60-12	12VDC	5.0A	60W	+/-5%	+/-1%	120mV	V	Yes
PSAD60-13	15VDC	4.0A	60W	+/-5%	+/-1%	150mV	V	Yes
PSAD60-13-1	18VDC	3.3A	60W	+/-5%	+/-1%	180mV	V	Yes
PSAD60-14	24VDC	2.5A	60W	+/-5%	+/-1%	240mV	V	Yes

Insert Suffix "F" into Model Number for C8 Input Receptacle, for example PSAD60F-12

Mechanical Outline

