

NEW • DESKTOP POWER SUPPLIES
• UNIVERSAL INPUT
• COMPACT FORM FACTOR

55 WATT

**SWITCHING
POWER SUPPLY**



DESCRIPTION

The PUP56 Series of AC/DC switching power supplies provide 55 watts of continuous output power. They are enclosed in a 94V-1 rated polyphenylene-oxide case with an IEC320 inlet connector to mate with an interchangeable cord for worldwide use. All models meet CISPR 22 and FCC Class B emission limits, and comply with UL, CSA, IEC and CE requirements.



FEATURES

- Built-in EMI filter
- Overvoltage protection
- Overcurrent protection
- Input surge current protection
- Wide input voltage 85 to 264 VAC
- 100% burn-in at full load
- Optional on/off switch

OUTPUT VOLTAGE/CURRENT RATINGS CHART

Model	Output				Maximum Output Power
	Vnom	Imin	Imax	Tol.	
PUP56-12	12V	0A	4.2A	3%	50W
PUP56-13	15V	0A	3.7A	3%	55W
PUP56-13-1	18V	0A	3.1A	3%	55W
PUP56-14	24V	0A	2.3A	3%	55W
PUP56-16	30V	0A	1.9A	3%	55W
PUP56-17	36V	0A	1.6A	3%	55W
PUP56-18	48V	0A	1.2A	3%	55W

GENERAL SPECIFICATIONS

All specifications are typical at nominal line, full load, and 25°C.

Efficiency:	75% minimum
Hold-up time:	10msec minimum at 110 VAC
Line regulation:	±0.5% maximum at full load
Inrush current:	15A@115 VAC or 30A@ 230 VAC at 25°C cold start
Withstand voltage:	3000 VAC from input to output 1500 VAC from input to ground 500 VAC from output to ground
Insulation resistance:	10 Mohm minimum from output to ground
Operating temperature:	0°C to 60°C*
Storage temperature:	-40°C to +85°C
Relative humidity:	5% to 95% non-condensing
MTBF:	100,000 hours minimum at full load at 25°C ambient
EMI requirements:	In compliance with radiated and conducted limits of CISPR 22 (EN 55022) Class B and FCC Class B
Safety requirements:	Approved to: a) UL 1950 b) CSA C22.2 No. 234 c) IEC 950 (EN60950)
Switching frequency:	85KHz ±10KHz

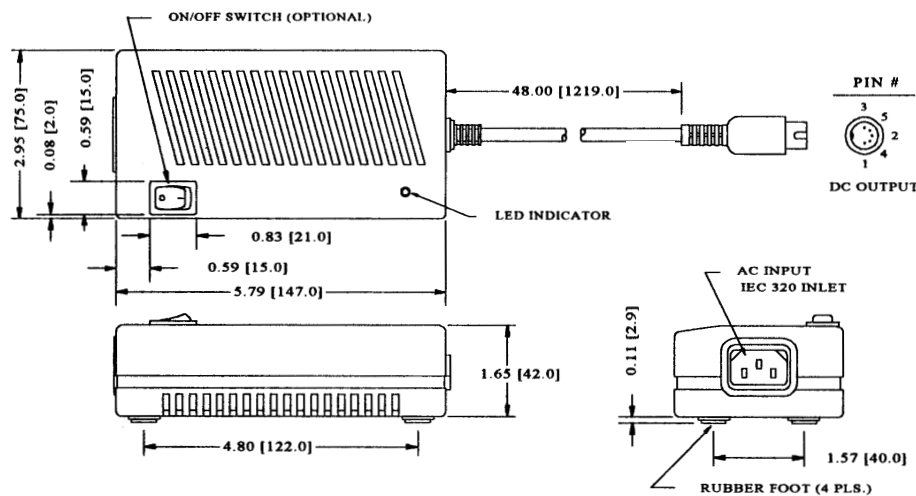
INPUT SPECIFICATIONS

Input voltage:	85 to 264 VAC
Input frequency:	47 to 63 Hz
Input current:	1.22A (rms) for 115 VAC 0.76A (rms) for 230 VAC
Safety ground leakage current:	0.47mA max. @ 110VAC 60 Hz 0.85mA max. @ 240VAC 50 Hz

OUTPUT SPECIFICATIONS

Total output power:	See Rating Charts
Ripple and noise:	1% peak to peak maximum
Overvoltage protection:	Set at 112-132% of nominal output voltage
Overcurrent protection:	Protected under short circuit conditions
Temperature coefficient:	±0.04%/°C maximum
Transient response:	Maximum excursion of 4% or better on all models, recovering to 1% of final value 500us after a 25% step load change

* Derate linearly from 100% load at 40°C to 50% load at 60°C



- NOTES:**
1. Dimensions shown in inches (mm)
 2. Tolerance 0.02 (0.5) maximum
 3. Optional output connectors available
 4. Optional on/off switch
 5. Weight: 500 grams

PIN CHART

Model	PIN	1	2	3	4	5
PUP56-12	PUP56-13	RETURN	RETURN	OUTPUT +V	RETURN	OUTPUT +V
PUP56-13-1	PUP56-14					
PUP56-16	PUP56-17					
PUP56-28						



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