

AC/DC External Desktop

24 Watts HUP24 Series

XPIQ inc.

Intelligent Design Quality Product



- Built-in EMI Filter
-
- 100% Burn-in
-
- Input Surge Current Protection
-
- CE Mark
-
- Approved to UL, CSA and TUV Safety Standards
-
- Short Circuit Protection

Specification

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

Input

- Input Voltage • 90-264 VAC
- Input Frequency • 47 to 63 Hz
- Input Current • 0.7A maximum
- Leakage Current • 0.75mA maximum at 240 VAC 50Hz

Output

- Output Voltage: • 5-36 VDC, See table
- Output Current • See Tables
- Output Power Range • 0 to 24 Watts
- Ripple and Noise • 1% peak to peak max.
- Overcurrent Protection: • All outputs protected to short circuit conditions
- Temperature coefficient: • All outputs $\pm 0.04\%/^{\circ}\text{C}$ maximum
- Transient Response • Maximum excursion of 4% or better on all models. Recovers to 1% of final value within 500 μs after a 25% step load change

General

- Efficiency • 60% minimum at 24 watts
- Hold-up time • 5 msec minimum

- Line Regulation • $\pm 0.5\%$ maximum at full load
- Inrush Current • 15A at 115 VAC or 30A at 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 • 50 Mohm minimum from output to ground

Environmental

- Operating Temperature • 0°C to +70°C*
- Storage Temperature • -40°C to +85°C
- MTBF • 100,000 hours minimum at full load at 25°C ambient
- EMI Requirement • Meets conducted and radiated limits of
 - a) FCC 20780 Level B
 - b) CISPR 22 Class B
- Safety Requirements • Approved to:
 - a) UL 1950
 - b) CSA C22.2 No. 234
 - c) EN60950

* Derate linearly from 100% load at 40°C to 50% load at 70°C

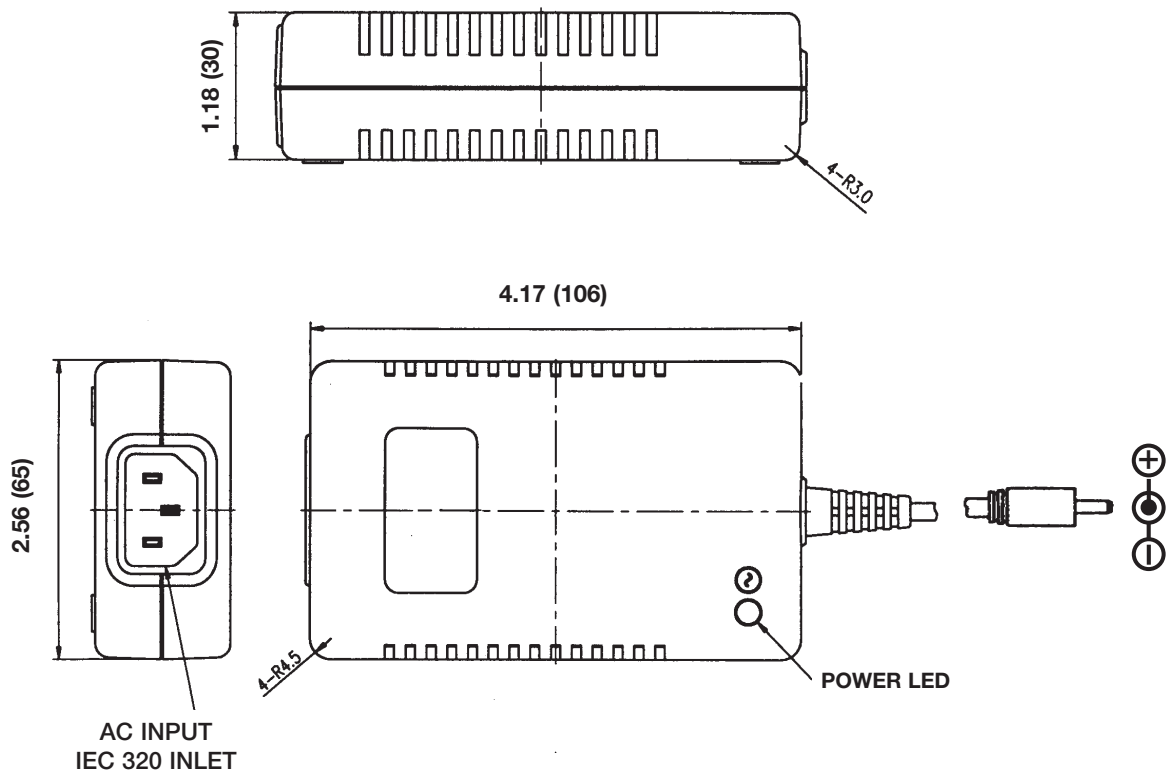
OUTPUT VOLTAGE & CURRENT RATINGS

HUP24

Maximum Output Power	Output				Models Number
	Vnom	Imin	Imax	Tol.*	
15 W	5 V	0 A	3.00 A	5%	HUP24-10
20 W	7 V	0 A	2.80 A	5%	HUP24-10-1
22 W	10 V	0 A	2.20 A	5%	HUP24-11
24 W	12 V	0 A	2.00 A	5%	HUP24-12
24 W	15 V	0 A	1.60 A	5%	HUP24-13
24 W	18 V	0 A	1.30 A	5%	HUP24-13-1
24 W	24 V	0 A	1.00 A	5%	HUP24-14
24 W	30 V	0 A	0.80 A	5%	HUP24-16
24 W	36 V	0 A	0.66 A	5%	HUP24-17

*Total regulation includes tolerance, line regulation and load regulation.

Mechanical Details



NOTES:

1. Dimensions shown in inches (mm).
2. Tolerance 0.02 (0.5) maximum.
3. Output connector is 5.5mm outer diameter barrel. Inner diameter is 2.5mm with center positive (+)/outer shell negative(-) polarity.
4. Output cable length is 72.0".
5. Optional output connectors available consult factory.
6. Weight: 300 g approx.