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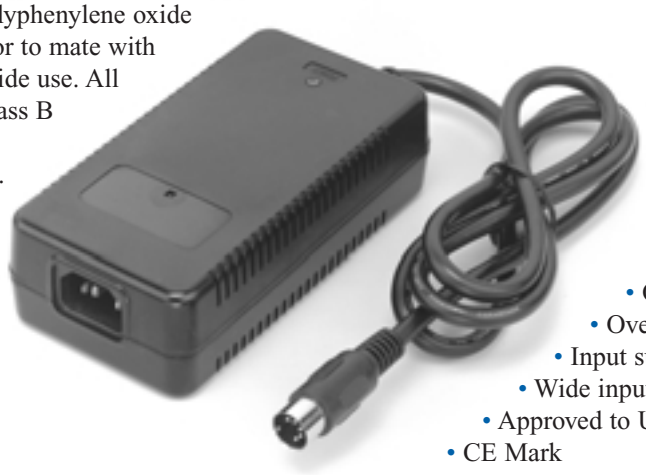
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NEW • DESKTOP POWER SUPPLIES
• UNIVERSAL INPUT
• COMPACT

45 WATT
SWITCHING POWER SUPPLY

DESCRIPTION

The HUP45 Series of AC-DC switching power supplies provides up to 50 Watts of continuous output power. They are enclosed in a sealed 94V-0 rated polyphenylene oxide case with an IEC 320 inlet connector to mate with an interchangeable cord for worldwide use. All models meet CISPR22 and FCC Class B emission limits and are approved to UL, cUL and TUV safety standards.



FEATURES

- 100% Burn-in
- Built-in EMI filter
- Small size, light weight
- Overvoltage protection
- Overcurrent protection
- Input surge current protection
- Wide input voltage 90-264 VAC
- Approved to UL, cUL, and TUV safety standards
- CE Mark

OUTPUT VOLTAGE/CURRENT RATINGS CHART

	Output #1				Output #2				Output #3				Maximum Output
Model	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	Power
HUP45-02	2.5V	0A	8.0A	5%		N/A				N/A			20W
HUP45-00	3.3V	0A	8.0A	5%		N/A				N/A			26W
HUP45-10	5V	0A	8.0A	5%		N/A				N/A			40W
HUP45-10-1	7V	0A	6.0A	4%		N/A				N/A			42W
HUP45-11	10V	0A	4.5A	3%		N/A				N/A			45W
HUP45-12	12V	0A	3.7A	3%		N/A				N/A			44W
HUP45-13	15V	0A	2.9A	3%		N/A				N/A			44W
HUP45-13-1	18V	0A	2.4A	3%		N/A				N/A			44W
HUP45-14	24V	0A	2.0A	2%		N/A				N/A			48W
HUP45-16	30V	0A	1.7A	2%		N/A				N/A			50W
HUP45-17	36V	0A	1.4A	2%		N/A				N/A			50W
HUP45-18	48V	0A	1.0A	2%		N/A				N/A			50W
HUP45-21	+12V	0.5A	3.0A	5%	-12V	0.2A	1.0A	5%		N/A			42W
HUP45-22	+12V	0.5A	2.0A	5%	-15V	0.2A	1.0A	5%		N/A			42W
HUP45-23	+5V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%		N/A			42W
HUP45-24	+5V	0.5A	5.0A	5%	+15V	0.2A	1.5A	5%		N/A			42W
HUP45-25	+5V	0.5A	5.0A	5%	+24V	0.1A	1.0A	5%		N/A			42W
HUP45-25-1	+5V	0.5A	5.0A	5%	-24V	0.1A	1.0A	5%		N/A			42W
HUP45-26	+3.3V	0.5A	5.0A	5%	+5V	0.1A	2.0A	5%		N/A			27W
HUP45-27	+3.3V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%		N/A			40W
HUP45-30	+5V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%	-5V	0A	0.8A	5%	42W
HUP45-31	+5V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%	-12V	0A	0.8A	5%	42W
HUP45-32	+5V	0.5A	5.0A	5%	+15V	0.2A	2.0A	5%	-15V	0A	0.8A	5%	42W
HUP45-36-1	+3.3V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%	-5V	0A	0.8A	5%	40W
HUP45-36-3	+3.3V	0.5A	5.0A	5%	+12V	0.2A	2.0A	5%	-12V	0A	0.8A	5%	42W
HUP45-39	+5V	0.5A	5.0A	5%	+24V	0.1A	1.0A	5%	-12V	0A	0.8A	5%	42W
HUP45-39-1	+5V	0.5A	5.0A	5%	+24V	0.1A	1.0A	5%	-24V	0A	0.5A	5%	42W

GENERAL SPECIFICATIONS

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

Efficiency:	83% typical
Hold-up time:	16 msec minimum
Line regulation:	±0.5% maximum at full load
Inrush current:	15 amps max. at 115VAC or 30 amps max. at 230VAC, cold start
Withstand Voltage:	3000VAC from input to output 1500VAC from input to ground 500VAC from output to ground
Insulation resistance:	100 Mohm min. from output to ground
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 Part 15 Class B b) CISPR22 Class B
Safety requirements:	Approved to: a) UL1950 b) CSA C22.2 No. 234 per cUL c) EN60950

INPUT SPECIFICATIONS

Input voltage:	90 to 264 VAC
Input frequency:	47 to 63 Hz
Input current:	1.2A maximum

OUTPUT SPECIFICATIONS

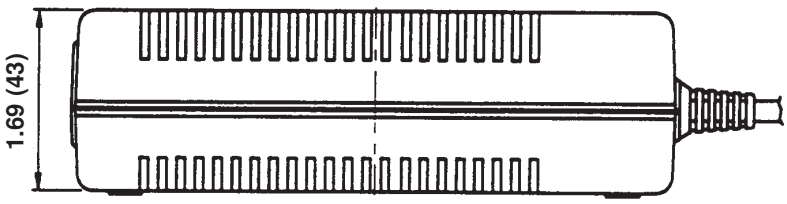
Output voltage:	See rating chart
Output current:	See rating chart
Output power range:	0 to 50 Watts
Ripple and noise:	1% peak to peak maximum
Overvoltage protection:	Provided on output #1 only; set at 112-132% of its nominal voltage
Overcurrent protection:	All outputs protected to short circuit conditions
Temperature coefficient:	All outputs ±0.04%/°C maximum
Transient response:	Maximum excursion of 4% or better on all models. Recovers to 1% of final value within 500us after a 25% step load change.

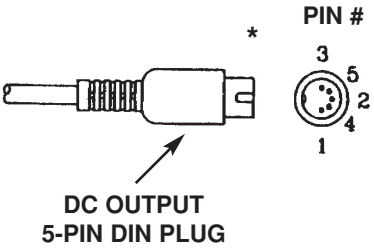
*Derate linearly from 100% load at 50°C to 50% load at 70°C

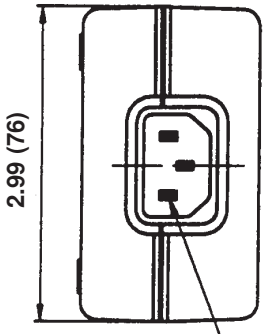
MECHANICAL SPECIFICATIONS

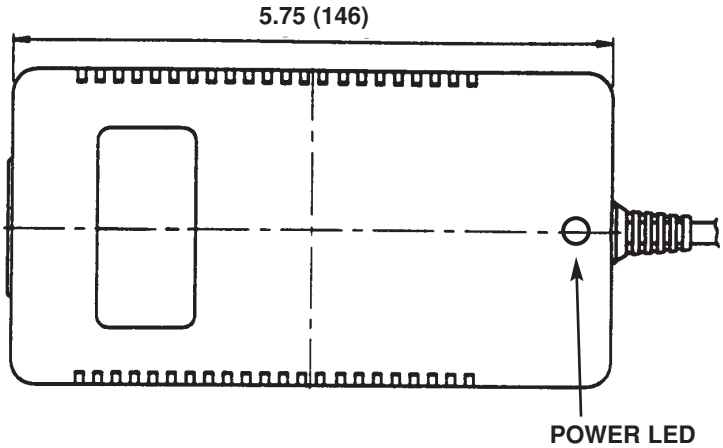
NOTES:

1. Dimensions shown in inches (mm)
2. Tolerance 0.04 (1.0) maximum
3. Cable length is 48.0”
4. Optional output connectors available, consult factory
5. Weight: 350-400 grams approx.









PIN	SINGLE OUTPUT	DUAL OUTPUT	TRIPLE OUTPUT
1	Common	Common	Common
2	Common	Common	Common
3	Output	Output #1	Output #1
4	Common	Common	Output #3
5	Output	Output #2	Output #2

* AMP Receptacle No. 212044-1 or Equivalent

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