

AC/DC Desktop

XPiQ inc.

Intelligent Design Quality Product



36 Watts
CUP36 Series



CE Marked For EMC & LVD

•
Universal Input

•
Class II Construction

•
Internal EMI Filter

•
Low Profile

•
Short Circuit Protected

•
International Safety Approvals

Specification

All specifications are typical at 25°C, nominal line & 75% load

Input

Input Voltage	• 90-264
Input Frequency	• 47-63 Hz
Input Current	• 1.0 A max
Inrush Current	• 50 A at 230 VAC, 25A at 115 VAC

Output

Output Voltage	• 5-48 VDC, See Tables
Output Power Range	• 0-36 Watts
Hold Up Time	• 8 ms min at 115 VAC
Ripple & Noise	• 1% pk-pk max
Overvoltage Protection	• Typical 125% max
Overcurrent Protection	• Provided
Temperature Coefficient	• $\pm 0.04\%/^{\circ}\text{C}$

General

Efficiency	• 82% typical
Isolation Voltage	• 3000 VAC Input to output
Power Density	• 5.3 Watts/in ³

Environmental

Operating Temperature	• 0°C to +40°C
Storage Temperature	• -20°C to +85°C
MTBF	• 100,000 hrs minimum at full load at 25°C ambient

Safety and EMC

Safety Approvals	• EN60950, UL1950, CSA C22.2 No.234 CUL per cUL
EMC	• CISPR22 level B (EN55022), FCC 20780 level B

OUTPUT VOLTAGE & CURRENT RATINGS

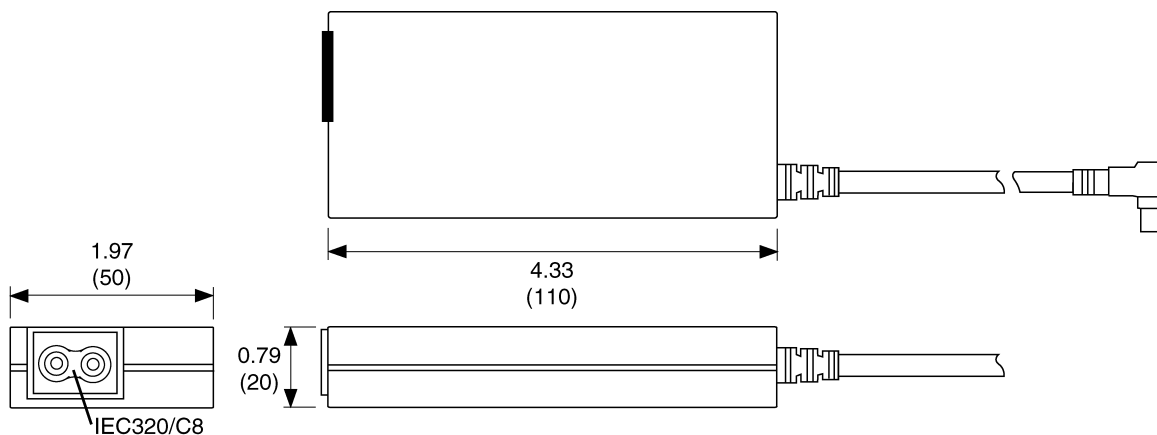
CUP 36

Models	Vnom	Output		Tol.*	Maximum Output Power
		Imin	Imax		
CUP36-10	5V	0A	4.0A	-5%,+7%	20W
CUP36-11	9V	0A	3.0A	5%	27W
CUP36-12	12V	0A	2.5A	5%	30W
CUP36-12-1	13.5V	0A	2.4A	4%	32W
CUP36-13	15V	0A	2.4A	4%	36W
CUP36-13-1	18V	0A	2.0A	4%	36W
CUP36-14	24V	0A	1.5A	4%	36W
CUP36-18	48V	0A	0.75A	4%	36W

Note

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

Mechanical Details



NOTES:

1. Dimensions shown in inches (mm).
2. Tolerance 0.02 (0.5) max.
3. Output connector is 5.5 mm dia. outer barrel, inner dia. is 2.5 mm with center + and outer shell - polarity.
4. Optional output connectors available.
5. Output cable is 48" (1219).
6. Weight: 6 ounces, 170 grams approx.