



Features:

- Energy star level V, ≥ 15 V
- CEC 2008 and EISA 2007 compliant
- High efficiency
- No load input power < 0.5 W
- Compact dimensions
- International safety approvals

Specifications:

Input:	
Input voltage	: 90 to 264 V ac
Input frequency	: 47 to 63 Hz
Maximum inrush current	: 50 A at 230 V ac
Earth leakage current	: < 1 mA
Harmonic currents	: Meets EN61000-3-2, class A
Output:	
Output voltage	: See table
Minimum load	: No minimum load required
Maximum line regulation	: $\pm 0.5\%$
Maximum load regulation	: $\pm 5\%$
Maximum ripple and noise	: 200 mv pk-pk, 20 MHz BW (see note 1)
Oversvoltage protection	: see table
Overload protection	: 110 to 180%
Short circuit protection	: Continuous (hiccup / trip and restart mode with auto recovery)
Transient response	: 4% maximum deviation, recovering to less than 1% within 500 μ s for a 50% step load change
General:	
Efficiency	: 87% typical, energy star level V compliant
Isolation	: 3,000 V ac input to output 1,500 V ac input to ground
Environmental:	
Operating temperature	: 0°C to +40°C, no derating
Storage temperature	: -10°C to +85°C
EMC and Safety:	
Emissions	: EN55022 level B conducted and radiated
Harmonic current	: EN61000-3-2 class A
Voltage flicker	: EN61000-3-3
ESD immunity	: EN61000-4-2
Radiated immunity	: EN61000-4-3
EFT/burst	: EN61000-4-4
Surge	: EN61000-4-5
Conducted immunity	: EN61000-4-6
Magnetic field	: EN61000-4-8
Dips and interruptions	: EN61000-4-11
Safety approvals	: EN60950-1: UL / cUL60950-1, CE mark

External Power Supply



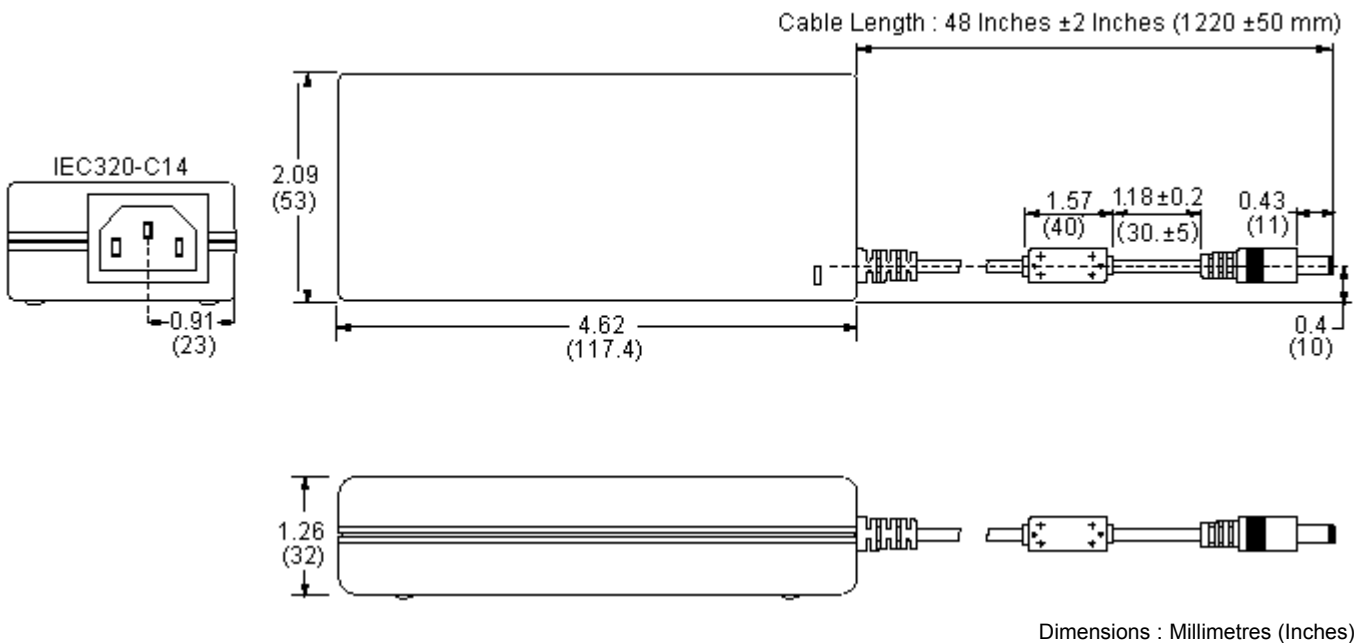
Models and Ratings:

Description	Output Power	Voltage	Current	OVP Setting (2)	Efficiency	Part Number
External Power Supply, 60 W	60 W	12 V	5 A	16 V	85%	MCEXT12V60W
		15 V	4 A	18 V		MCEXT15V60W
		18 V	3.33 A	24 V	87%	MCEXT18V60W
		24 V	2.5 A	30 V		MCEXT24V60W

Notes:

1. Measured at the output connector with a 0.1 μ F ceramic capacitor and a 10 μ F electrolytic capacitor
2. Typical values

Mechanical Details:



Notes:

Output connector is barrel type with 11 mm length, 5.5 mm diameter outer, 2.5 mm diameter inner with centre + and outer shell - polarity

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