



Features:

- Energy star level V.
- CEC 2008 and EISA 2007 compliant.
- High efficiency.
- International safety approvals.
- Compact dimensions.

Specifications:

Input:

Input voltage	: 90 to 264V ac.
Input frequency	: 47 to 63Hz.
Inrush current	: 15 A/30 A for 115/230 V ac, cold start.
Earth leakage current	: 0.75mA at 240V ac.
Harmonic currents	: Meets EN61000-3-2, class A.
No load input power	: <0.5 W.

Output:

Output voltage	: See table.
Minimum load	: No minimum load required.
Total regulation	: See table.
Maximum ripple and noise	: 1% pk-pk, 20MHz bandwidth.
Overvoltage protection	: 112-132%.
Overload protection	: 110-150%.
Short circuit protection	: Trip and restart (hiccup mode), auto recovery.
Transient response	: 2% deviation, recovery to within 1% of nominal in 500µs for 50% load change.

General:

Efficiency	: 87% typical, energy star level V compliant.
Isolation	: 3000V ac input to output. : 1500V ac input to ground. : 500V dc output to ground.

Environmental:

Operating temperature	: 0°C to +40°C.
Storage temperature	: -40°C to +85°C.
Cooling	: Convection cooled.
Operating altitude	: 3000m.

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.

External Power Supply



Specifications:

EMC and Safety:

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.

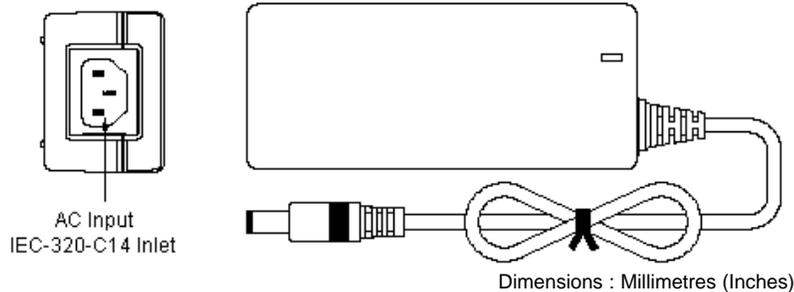
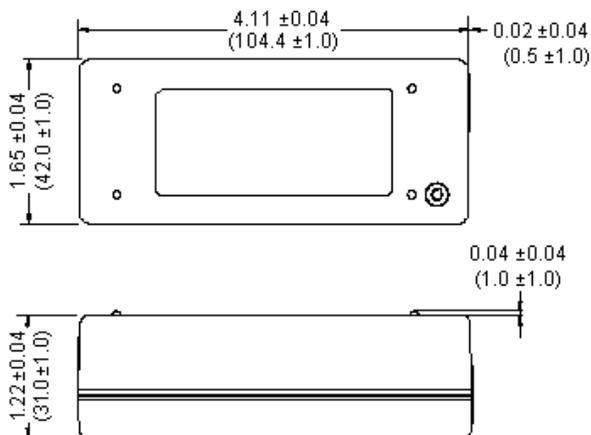
Models and Ratings:

Description	Maximum Output Power	Output Voltage ⁽³⁾	Output Current	Total Regulation ⁽¹⁾	Part Number
External Power Supply, 25W	16.5 W	5V dc	3.30 A	5%	MCEXT5V25W
	20.0 W	7V dc	2.86 A		MCEXT7V25W
	22.0 W	9V dc	2.44 A		MCEXT9V25W
	25.0 W	12V dc	2.08 A		MCEXT12V25W
	25.0 W	24V dc	1.04 A		MCEXT24V25W

Notes:

1. Total regulation includes line regulation and load regulation.

Mechanical Details:



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External Power Supply



Notes:

1. Output connector: is 0.22 (5.5) outer diameter barrel, 0.10 (2.5) inner diameter barrel with centre positive (+) and outer shell negative (-). Length is 0.433 (11.0).
2. Output cable length is 48 inches (1220mm) approximately.

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