



## Features:

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

## 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.
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*. : *Not C8 version.

### 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.
Surge	: EN61000-4-5.
Conducted immunity	: EN61000-4-6.

# External Power Supply



## Specifications:

### EMC and Safety:

Magnetic field : EN61000-4-8.  
 Dips and interruptions : EN61000-4-11.  
 Safety approvals : EN60950-1: UL/cUL60950-1, CE mark.

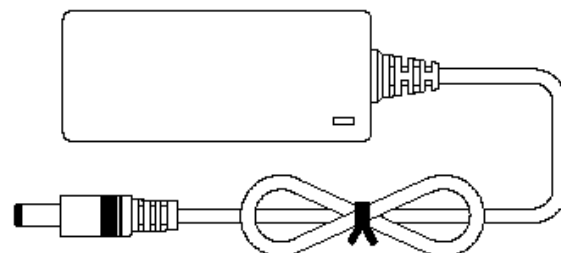
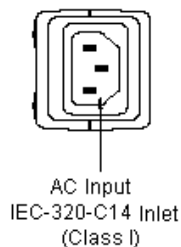
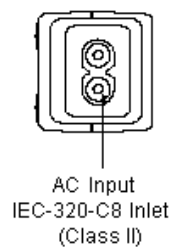
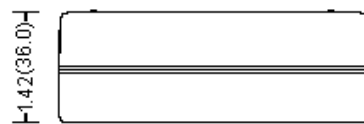
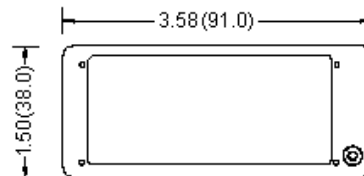
## Models and Ratings

Maximum Output Power	Output Voltage <sup>(3)</sup>	Output Current	Total Regulation <sup>(1)</sup>	Model Number <sup>(2)</sup>
12 W	5V dc	2.40 A	5%	MCEXT5V15WC2
	6V dc	2.00 A		MCEXT6V15WC2
	7V dc	1.71 A		MCEXT7V15WC2
15 W	9V dc	1.66 A		MCEXT9V15WC2
	12V dc	1.25 A		MCEXT12V15WC2
	15V dc	1.00 A		MCEXT15V15WC2
	18V dc	0.83 A		MCEXT18V15WC2
	24V dc	0.62 A		MCEXT24V15WC2

### Notes:

1. Total regulation includes line regulation and load regulation.

## Mechanical Details



Dimensions : Millimetres (Inches)

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<http://www.newark.com>  
<http://www.cpc.co.uk>



# 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.

## Part Number Table

Description	Part Number
External Power Supply, 15W, Class I	MCEXT12V15WC1
External Power Supply, 15W, Class II	MCEXT12V15WC2
External Power Supply, 15W, Class I	MCEXT15V15WC1
External Power Supply, 15W, Class II	MCEXT15V15WC2
External Power Supply, 15W, Class I	MCEXT5V15WC1
External Power Supply, 15W, Class II	MCEXT5V15WC2
External Power Supply, 15W, Class I	MCEXT18V15WC1
External Power Supply, 15W, Class II	MCEXT18V15WC2
External Power Supply, 15W, Class I	MCEXT24V15WC1
External Power Supply, 15W, Class II	MCEXT24V15WC2
External Power Supply, 15W, Class I	MCEXT6V15WC1
External Power Supply, 15W, Class II	MCEXT6V15WC2
External Power Supply, 15W, Class I	MCEXT7V15WC1
External Power Supply, 15W, Class II	MCEXT7V15WC2
External Power Supply, 15W, Class I	MCEXT9V15WC1
External Power Supply, 15W, Class II	MCEXT9V15WC2

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