

External Power Supply



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 63 Hz
Inrush current	: 15A / 30A for 115 / 230V AC, cold start
Earth leakage current	: 0.75mA at 240V AC
Harmonic currents	: Meets EN61000-3-2, class A
No load input power	: <0.5W

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 500 μ s for 50% load change

General:

Efficiency	: 87% typical, energy star level V compliant
Isolation	: 3,000V AC input to output : 1,500V 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	: 3,000m

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

www.element14.com
www.farnell.com
www.newark.com



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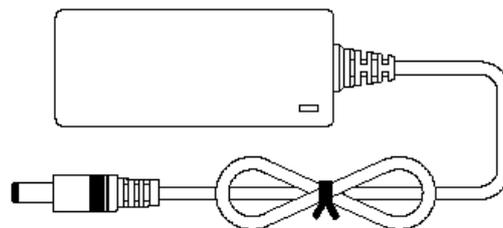
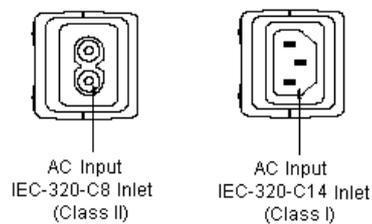
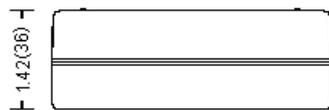
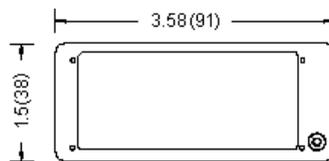
Models and Ratings:

Max. Output Power	Output Voltage ⁽³⁾ (V DC)	Output Current (A)	Total Regulation ⁽¹⁾	Part Number ⁽²⁾
12W	5	2.4	5%	MCEXT5V15WC2
	6	2		MCEXT6V15WC2
	7	1.71		MCEXT7V15WC2
15W	9	1.66		MCEXT9V15WC2
	12	1.25		MCEXT12V15WC2
	15	1		MCEXT15V15WC2
	18	0.83		MCEXT18V15WC2
	24	0.62		MCEXT24V15WC2

Notes:

1. Total regulation includes line regulation and load regulation
2. Replace x with 1 for Class I and 2 for Class II e.g. MCEXT24V15WC2 for Class II 24 V model
3. The 24 V DC output model meets Energy Star Level IV, all other models meet Energy Star Level V

Mechanical Details



Dimensions : Millimetres (Inches)



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Notes:

1. All dimensions are shown in inches (mm). Tolerance ± 0.04 (± 1) maximum
2. 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)
3. Output cable length is 48 inches (1,220 mm) approximately
4. Weight: 0.36 lbs (165 g)

Part Number Table

Description	Part Number
Power Supply, 15W, C14 INLET, 12V	MCEXT12V15WC1
Power Supply, 15W, C8 INLET, 12V	MCEXT12V15WC2
Power Supply, 15W, C14 INLET, 15V	MCEXT15V15WC1
Power Supply, 15W, C8 INLET, 15V	MCEXT15V15WC2
Power Supply, Plug IN, 5V, 2.4A, 12W	MCEXT5V15WC1
Power Supply, 15W, C8 INLET, 5V	MCEXT5V15WC2
Power Supply, 15W, C14 INLET, 18V	MCEXT18V15WC1
Power Supply, 15W, C8 INLET, 18V	MCEXT18V15WC2
Power Supply, 15W, C14 INLET, 24V	MCEXT24V15WC1
Power Supply, 15W, C8 INLET, 24V	MCEXT24V15WC2
Power Supply, 15W, C14 INLET, 6V	MCEXT6V15WC1
Power Supply, 12W, C8 INLET, 6V	MCEXT6V15WC2
Power Supply, 15W, C14 INLET, 7.5V	MCEXT7V15WC1
Power Supply, 15W, C8 INLET, 7.5V	MCEXT7V15WC2
Power Supply, 15W, C14 INLET, 9V	MCEXT9V15WC1
Power Supply, 15W, C8 INLET, 9V	MCEXT9V15WC2

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