



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 264 V ac
Input frequency	: 47 to 63 Hz
Inrush current	: 15 A / 30 A for 115 / 230 V ac, cold start
Earth leakage current	: 0.75 mA at 240 V 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, 20 MHz 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	: 3,000 V ac input to output
	: 1,500 V ac input to ground*
	: 500 V 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	: 3,000 m

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

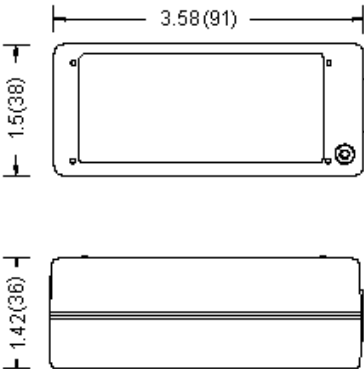
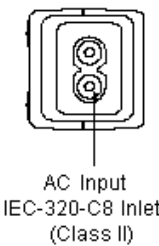
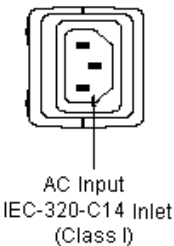
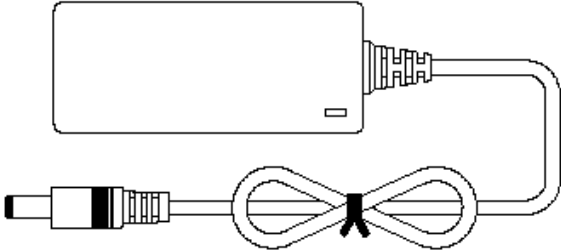
Models and Ratings

Maximum Output Power	Output Voltage ⁽³⁾ (V dc)	Output Current (A)	Total Regulation ⁽¹⁾	Model Number ⁽²⁾
12 W	5	2.4	5%	MCEXT5V15WC2
	6	2		MCEXT6V15WC2
	7	1.71		MCEXT7V15WC2
15 W	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)



External Power Supply



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, 15 W, Class I, 12 V	MCEXT12V15WC1
Power Supply, 15 W, Class II, 12 V	MCEXT12V15WC2
Power Supply, 15 W, Class I, 15 V	MCEXT15V15WC1
Power Supply, 15 W, Class II, 15 V	MCEXT15V15WC2
Power Supply, 15 W, Class I, 5 V	MCEXT5V15WC1
Power Supply, 15 W, Class II, 5 V	MCEXT5V15WC2
Power Supply, 15 W, Class I, 18 V	MCEXT18V15WC1
Power Supply, 15 W, Class II, 18 V	MCEXT18V15WC2
Power Supply, 15 W, Class I, 24 V	MCEXT24V15WC1
Power Supply, 15 W, Class II, 24 V	MCEXT24V15WC2
Power Supply, 15 W, Class I, 6 V	MCEXT6V15WC1
Power Supply, 15 W, Class II, 6 V	MCEXT6V15WC2
Power Supply, 15 W, Class I, 7 V	MCEXT7V15WC1
Power Supply, 15 W, Class II, 7 V	MCEXT7V15WC2
Power Supply, 15 W, Class I, 9 V	MCEXT9V15WC1
Power Supply, 15 W, Class II, 9 V	MCEXT9V15WC2

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