



## 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.

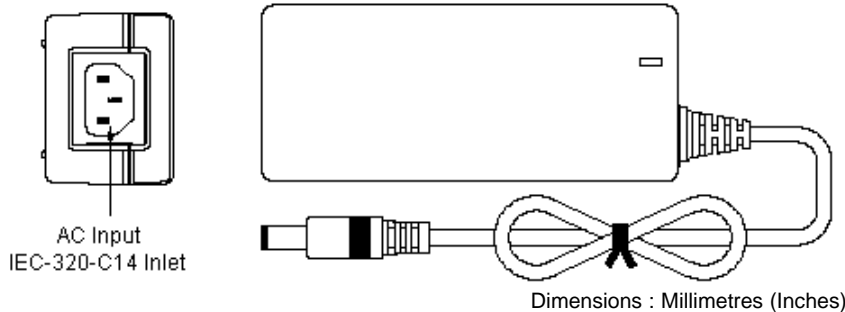
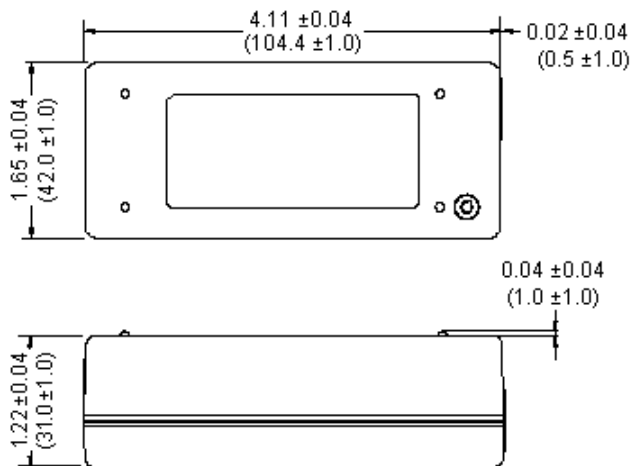
## Models and Ratings:

Description	Maximum Output Power	Output Voltage <sup>(3)</sup>	Output Current	Total Regulation <sup>(1)</sup>	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:



# 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.

**Disclaimer** This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC Multicomp is the registered trademark of the Group. © Premier Farnell plc 2010.

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

