



## Features:

- Energy star level V
- CEC 2008 and EISA 2007 compliant
- High efficiency
- Cost effective and commonly used
- International safety approvals
- Compact dimensions

## Specifications:

### Input

Input Voltage	: 90 to 264V AC
Input Frequency	: 47 to 63Hz
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
Over Voltage 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 50µs 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

### Environmental

Operating Temperature	: 0°C to +40°C
Storage Temperature	: -40°C to +85°C
Cooling	: Convection cooled
Operating Altitude	: 3,000m

# External Power Supply



## 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

## EMC and Safety

Magnetic Field	: EN61000-4-8
Dips and Interruptions	: EN61000-4-11
Safety Approvals	: EN60950-1: UL/cUL60950-1, CE mark

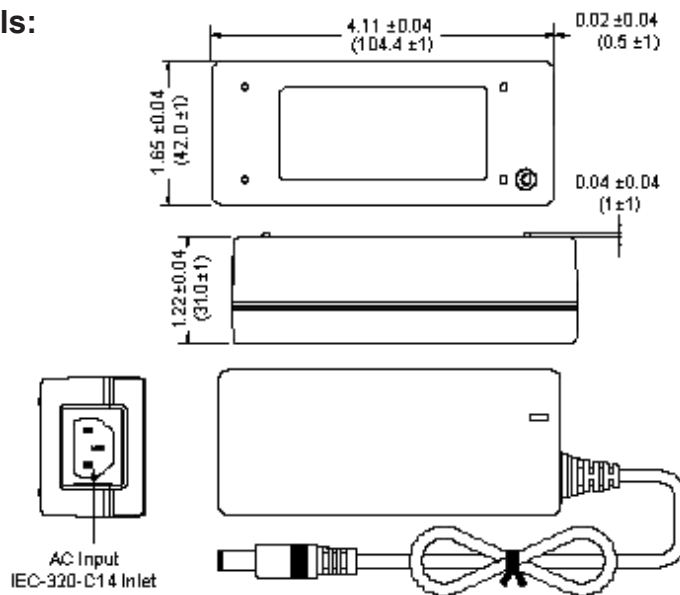
## Models and Ratings:

Part Number	Maximum Output Power	Output Voltage	Output Current	Total Regulation <sup>(1)</sup>
MCEXT5V25W	16.5W	5V DC	3.3A	5%
MCEXT7V25W	20W	7.5V DC	2.86A	
MCEXT9V25W	22W	9V DC	2.44A	
MCEXT12V25W	25W	12V DC	2.08A	
MCEXT24V25W	25W	24V DC	1.04A	

## Notes:

1. Total regulation includes line regulation and load regulation

## Mechanical Details:



Dimensions : Inches (Millimetres)



**Notes :**

1. Output connector: is 0.22 (5.5) outer diameter barrel, 0.1 (2.5) inner diameter barrel with centre positive (+) and outer shell negative (-), length is 0.433 (11)
2. Output cable length is 48 inches (1,220mm) approximately

## Part Number Table

Description	Part Number
Power Supply, 25W, 5V	MCEXT5V25W
Power Supply, 25W, 7.5V	MCEXT7V25W
Power Supply, 25W, 9V	MCEXT9V25W
Power Supply, Desktop, 12V, 25W	MCEXT12V25W
Power Supply, Desktop, 24V, 25W	MCEXT24V25W

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