ICM36 Series

36W International Adapter

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- US, UK, AU & EU AC adapters
- Light Weight and Compact



Model No.	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
ICM36-050	ITE	2.1mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+5.0V	0	5.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-059	ITE		+5.9V	0	5.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-090	ITE		+9.0V	0	3.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-120	ITE		+12.0V	0	3.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-150	ITE		+15.0V	0	2.4	_	±5%	< ± 1%	± 1%	± 5%
ICM36-180	ITE		+18.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-240	ITE		+24.0V	0	1.5	_	±5%	< ± 1%	± 1%	± 5%
ICM36-360	ITE		+36.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%

- Output voltages from 5.0Vdc to 36.0Vdc are available in increments of 0.1V. Please contact Tri-Mag, LLC for the part number and specifications for your output voltage requirement and application. Output voltages from 6.0V to 8.9V do not meet Level VI efficiency requirements and are subject to associated importation regulations.
- The output voltage is verified to specs at 60 percent rated load condition.
- The line regulation is defined by changing ± 10 percent of input voltage from the nominal line at rated load.
- The load regulation is defined by changing ± 40 percent of the measured output load from 60 percent of the rated load.
- The **ripple and noise** is measured by using 20MHz bandwidth limited oscilloscope with each output terminated with a 10 μF electrolytic and a 0.1 μF capacitor at rated load and nominal line.
- The efficiency is measured at rated load and nominal line.





ICM36 Series

The **ICM36 Series** is a reliable and inexpensive international adaptor.

This DOE Level VI compliant power supply/adapter is rated up to 36W when powering desktop or charging portable devices. With voltage levels from 5.0Vdc all

the way up to 36.Vdc (in increments of 0.1V), to suit your specific needs.

Call us today (800-657-0853) for the part number to match your specifications.

Specifications

Input

Input Voltage Input Frequency No Load Input Power

Input Current Inrush Current

Leakage Current Input Connection

- 90 Vac ~ 264 Vac
- 47 Hz to 63 Hz
- < 0.1W
- 1.2A Max.
- 40A Max.
- 0.25mA Max. US (others available)
- Output

Output Voltage Range **Output Current Range** Minimum Load Line Regulation

- 5.0 to 36.0 Vdc
- ICM36: 1.0 5.0A, 36W Max.
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise

< 1%, 150mVp-p Max.

Overvoltage Protection Overload Protection Short Circuit Protection Auto recovery Auto recovery

± 5%

Auto recovery

General

Insulation Resistance Efficiency **MTBF**

- 50MΩ Min.
- Level VI compliant
- 50,000 hrs to MIL-HDBK-217F at +25°C

Environmental

Operating Temperature Operating Humidity

- 0°C to 40°C
- 5% 95% RH, Non-Condensing
- Storage Temperature
- EMC & Safety

Safety Approvals

- UL: UL60950-1
- cUL: UL60950-1

-20°C to +80°C

EMC Approvals

FCC

Warranty

Warranty Period

• 3 years

Dimensions and Notes

Dimensions in mm

Tolerance

Size

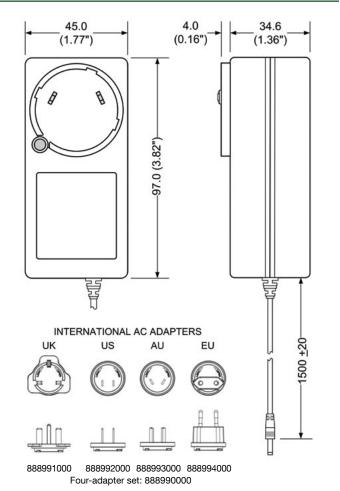
Weiaht Connectors

- ± 0.2mm
- 97.0 x 45.0 x 34.6 mm
- 3.82 x 1.77 x 1.36 Inches
- Approx. 200a (7.0oz.)
- AC input; US, UK, AU & EU adapters avilable
- DC output, standard 5.5mm x 2.1mm corded dc output jack or per customer specification.

Cord length

1500 ± 20 mm (59 ± .8")

Mechanical Drawing



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