ICM36/ICM48 Series

36W/48W International Adapters

- 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.
ICM36-090	ITE	Corded Jack	+9.0V	0	4.0	_	±5%	< ± 1%	± 1%	± 5%
ICM36-120	ITE	Corded Jack	+12.0V	0	3.0	-	±5%	< ± 1%	± 1%	± 5%
ICM36-180	ITE	Corded Jack	+18.0V	0	2.0	-	±5%	< ± 1%	± 1%	± 5%
ICM36-240	ITE	Corded Jack	+24.0V	0	1.5	-	±5%	< ± 1%	± 1%	± 5%
ICM36-300	ITE	Corded Jack	+30.0V	0	1.2	-	±5%	< ± 1%	± 1%	± 5%
ICM36-360	ITE	Corded Jack	+36.0V	0	1.0	-	±5%	< ± 1%	± 1%	± 5%
ICM48-090	ITE	Corded Jack	+9.0V	0	5.0	-	±5%	< ± 1%	± 1%	± 5%
ICM48-120	ITE	Corded Jack	+12.0V	0	4.0	-	±5%	< ± 1%	± 1%	± 5%
ICM48-180	ITE	Corded Jack	+18.0V	0	2.67	-	±5%	< ± 1%	± 1%	± 5%
ICM48-240	ITE	Corded Jack	+24.0V	0	2.0	-	±5%	< ± 1%	± 1%	± 5%
ICM48-300	ITE	Corded Jack	+30.0V	0	1.6	-	±5%	< ± 1%	± 1%	± 5%
ICM48-360	ITE	Corded Jack	+36.0V	0	1.33	_	±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.
- 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/ICM48 Series

The ICM36/ICM48 Series is a reliable and inexpensive international adaptor.

This DOE Level VI compliant power supply/charger is rated up to 48W 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

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

Output

Output Voltage Range **Output Current Range**

- 5.0 to 36.0 Vdc
- ICM36: 1.0 5.0A, 36W Max.
- ICM48: 1.3 5.0A, 48W Max.
- Minimum Load Line Regulation
- No min. load required.
- ± 1% at rated load across input voltage range
- Load Regulation
- Ripple & Noise Overvoltage Protection
- 240mVp-p Max.
- Overload Protection
- Auto recovery Auto recovery

± 5%

- Short Circuit Protection
- 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 -20°C to +80°C

EMC & Safety

Safety Approvals

- UL: UL60950-1
- cUL: UL60950-1
- **EMC** Approvals FCC

Warranty

Warranty Period

• 1 year

Dimensions and Notes

Dimensions in mm

Tolerance

± 0.2mm

Size

97.0 x 45.0 x 34.6 mm

3.82 x 1.77 x 1.36 Inches

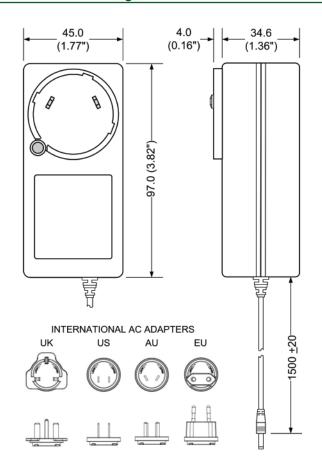
Weight Connectors

- Approx. 200g (7.0oz.) AC input, US 2-prong inlet plug
- 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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