## ICM24 / ICM30 Series

# 24W & 30W International Adapters

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- US, UK, AU and EU plug-in 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.
ICM24-090	ITE	2.1mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+9.0V	0	2.7	-	±5%	< ± 1%	± 1%	± 5%
ICM24-120	ITE		+12.0V	0	2.0	-	±5%	< ± 1%	± 1%	± 5%
ICM24-180	ITE		+18.0V	0	1.3	-	±5%	< ± 1%	± 1%	± 5%
ICM24-240	ITE		+24.0V	0	1.0	-	±5%	< ± 1%	± 1%	± 5%
ICM24-300	ITE		+30.0V	0	0.8	_	±5%	< ± 1%	± 1%	± 5%
ICM24-360	ITE		+36.0V	0	0.7	_	±5%	< ± 1%	± 1%	± 5%
ICM30-090	ITE		+9.0V	0	3.0	-	±5%	< ± 1%	± 1%	± 5%
ICM30-120	ITE		+12.0V	0	2.5	-	±5%	< ± 1%	± 1%	± 5%
ICM30-180	ITE		+18.0V	0	1.67	_	±5%	< ± 1%	± 1%	± 5%
ICM30-240	ITE		+24.0V	0	1.25	_	±5%	< ± 1%	± 1%	± 5%
ICM30-300	ITE		+30.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%
ICM30-360	ITE		+36.0V	0	1.83	-	±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.





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An innovative, reliable, and inexpensive international adapter. That's the ICM24/ICM30 Series.

This economical, DOE Level VI compliant power supply/charger is rated up to 30W when powering stationary or charging portable devices.

## Specifications

#### Input

Input	
Input Voltage	• 90 Vac ~ 264 Vac
Input Frequency	• 47 Hz to 63 Hz
No Load Input Power	• < 0.1W
Input Current	• 1.2A Max.
Inrush Current	• 40A Max.
Leakage Current	• 0.25mA Max.
Input Connection	US (others available)
Output	
Output Voltage Range	• 5.0 to 36.0 Vdc
Output Current Range	• ICM24: 667 - 3500mA, 24W Max.
	<ul> <li>ICM30: 833 - 3500mA, 30W Max.</li> </ul>
Minimum Load	No min. load required.
Line Regulation	<ul> <li>± 1% at rated load across input voltage range</li> </ul>
Load Regulation	• ± 5%
Ripple & Noise	<ul> <li>&lt; 1%, 150mVp-p Max.</li> </ul>
Overvoltage Protection	Auto recovery
<b>Overload Protection</b>	Auto recovery
Short Circuit Protection	Auto recovery
General	
Insulation Resistance	<ul> <li>50MΩ Min.</li> </ul>

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

## Environmental

Warranty Period

Efficiency

MTBF

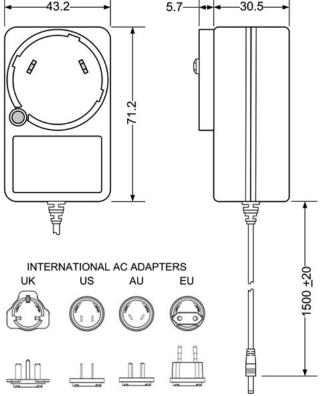
Operating Temperature Operating Humidity Storage Temperature	<ul> <li>0°C to 40°C</li> <li>5% - 95% RH, Non-Condensing</li> <li>-20°C to +80°C</li> </ul>
EMC & Safety	
Safety Approvals	<ul> <li>UL: UL60950-1</li> <li>cUL: UL60950-1</li> </ul>
EMC Approvals	• FCC
Warranty	

3 years

Plenty of voltage levels to choose from, too. From 5.0Vdc all the way up to 36.0Vdc (in increments of 0.1V), to match your need.

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

### **Dimensions and Notes** Dimensions in mm Tolerance • ± 0.2mm Size 71.2 x 43.2 x 30.5 mm 2.80 x 1.70 x 1.20 Inches Weight Approx. 140g (4.9oz.) Connectors AC input, US, UK, AU & EU adapters available • DC output, standard 5.5mm x 2.1mm x 9.5mm corded dc output jack or per customer specification. Cord length 1500 ± 20 mm (59 ± .8") Mechanical Drawing 30.5 43.2 5.7



888991000 888992000 888993000 888994000 Four-adapter set: 888990000