ICM24 / ICM30 Series

24W & 30W International Adapter

- 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.
ICM24-120	UL/cUL 62368-1 AV/ITE	Corded Plug 5.5 x 2.1 x 9.5mm	+12.0V	0	2.0	_	±5%	100mVp-p Max.	±1%	±5%
ICM24-180			+18.0V	0	1.3	_				
ICM24-240			+24.0V	0	1.0	_				
ICM24-300			+30.0V	0	0.8	_				
ICM24-360			+36.0V	0	0.7	_				
ICM30-090			+9.0V	0	3.0	_				
ICM30-120			+12.0V	0	2.5	_				
ICM30-180			+18.0V	0	1.67	_				
ICM30-240			+24.0V	0	1.25	_				
ICM30-300			+30.0V	0	1.0	_				
ICM30-360			+36.0V	0	0.83	_				

- Output voltages from 12.0Vdc 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.





ICM24 / ICM30 Series

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

This economical, UL/cUL 62368-1 approved, DOE Level VI compliant power supply/charger is rated up to 30W when powering stationary or charging portable devices.

Plenty of voltage levels to choose from, too. From 12.0Vdc 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.

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**

- 12.0 to 36.0 Vdc
- ICM24: 667 3500mA, 24W Max.
- ICM30: 833 3500mA, 30W Max.

Minimum Load Line Regulation

- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise Overvoltage Protection

- Overload Protection
- Short Circuit Protection
- + 5%
- 100mVp-p Max. Auto recovery
- Auto recovery
- Auto recovery

General

Insulation Resistance Efficiency

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

Environmental

Operating Temperature Operating Humidity Storage Temperature

- 0°C to 40°C
- 5% 95% RH, Non-Condensing
- -20°C to +80°C

EMC & Safety

Safety Approvals

- UL: UL 62368-1
- cUL: cUL 62368-1
- **EMC Approvals**
- FCC

Warranty

Warranty Period

3 year

Dimensions and Notes

Dimensions in mm

Tolerance

Size

Weight

Connectors

Cord length

± 0.2mm

71.2 x 43.2 x 30.5 mm

2.80 x 1.70 x 1.20 Inches

Approx. 140g (4.9oz.)

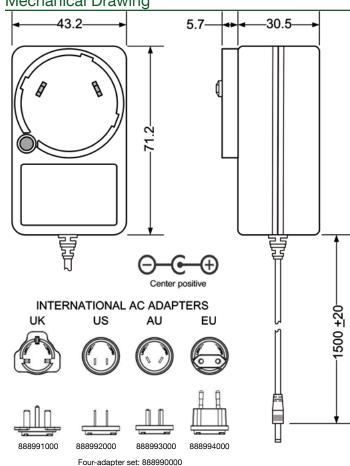
AC input, US, UK, AU & EU adapters

available

DC output, standard 5.5 x 2.1 x 9.5mm corded, center positive, dc output plug or per customer specification.

 $1500 \pm 20 \text{ mm} (59 \pm .8")$

Mechanical Drawing



2022-01