ICM12 Series

12W International Power Adapter

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- 5Vdc USB Connection Available
- 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.
ICM12-050U	ITE	USB Connector	+5.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
ICM12-050	ITE	2.1mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+5.0V	0	2.0	-	±5%	< ± 1%	± 1%	± 5%
ICM12-070	ITE		+7.0V	0	1.3	-	±5%	< ± 1%	± 1%	± 5%
ICM12-090	ITE		+9.0V	0	1.0	-	±5%	< ± 1%	± 1%	± 5%
ICM12-120	ITE		+12.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%
ICM12-180	ITE		+18.0V	0	0.7	-	±5%	< ± 1%	± 1%	± 5%
ICM12-240	ITE		+24.0V	0	0.5	-	±5%	< ± 1%	± 1%	± 5%
ICM12-300	ITE		+30.0V	0	0.4	-	±5%	< ± 1%	± 1%	± 5%
ICM12-360	ITE		+36.0V	0	0.3	-	±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.
- Individual adapters need to be ordered separately. See the bottom of page 2 for the four-adapter set and individual adapter part numbers.
- Output voltage is verified to specs at 60 percent rated load condition.
- Line regulation is defined by changing ± 10 percent of input voltage from the nominal line at rated load.
- Load regulation is defined by changing ± 40 percent of the measured output load from 60 percent of the rated load.
- 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.
- Efficiency is measured at rated load and nominal line.





ICM12 Series

An innovative, reliable, and inexpensive international adapter. That's the ICM12 Series.

This economical, DOE Level VI compliant power supply/charger is rated up to 12W when charging any mobile or wireless device.

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.

Contact us (800-657-0853 or Sales@Tri-Mag.com) 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

330 - 2100mA, 12W Max.

No min. load required.

± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise Overvoltage Protection Overload Protection

100mVp-p Max. Auto recovery

± 5%

Auto recovery

Short Circuit Protection

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: UL60950-1

cUL: UL60950-1

EMC Approvals

Warranty

Warranty Period

3 years

Dimensions and Notes

Dimensions in mm

Tolerance

Size

± 0.2mm

59.0 x 40.9 x 31.5 mm 2.32 x 1.60 x 1.24 Inches

Weight

Connectors

Approx. 130g (4.6 oz.)

AC input, US, UK, AU & EU adapters

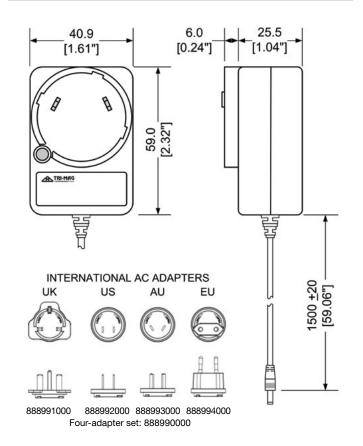
available

DC output, standard 5.5mm x 2.1mm x 9.5mm corded dc output iack. USB output connector or per customer

specification.

Cord length 1500 ± 20 mm (59 ± .8")

Mechanical Drawing



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