



30W Passive Power over Ethernet Adapter Lowest Cost IEEE802.3at Power



InterOperability Laboratory
Part of the University of New Hampshire Research Computing Center



Features

- Compliant with the IEEE802.3at Standard
- Level V Efficiency
- Very Low leakage
- Non-Vented Case
- Very Low Cost
- 2 Wire or 3 Wire Options
- Full Protection OCP, OVP
- 1 Year Warranty

Applications

- IP Telephones (W Model Recommended)
- Wireless Network Access Points
- Blue Tooth Access Point
- Security Camera
- IP Print Servers
- Wimax APs

Safety Approvals

- cUL/UL
- CE
- Energy Star

Mechanical Characteristics

- Length: 140mm (5.51in)
- Width: 65mm (2.55in)
- Height: 36mm (1.42in)
- Weight: 225g (0.44lb.)

Output Specifications

Model Number	Output Voltage	Output Current	Input Connector
POE31U-240	24V	1.25A	3 Wire C13
POE31U-560	56V	0.54A	3 Wire C13
POE31W-240	24V	1.25A	2 Wire C8
POE31W-560	56V	0.54A	2 Wire C8

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INPUT:
AC Input Voltage Range

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC, 47-63Hz

AC Input Current

0.8A (RMS) maximum for 120VAC

0.5A (RMS) maximum for 240VAC

Leakage Current

W models 250uA maximum @ 264VAC 60Hz

U models 350uA maximum @ 264VAC 60Hz

AC Inrush Current

30A (RMS) maximum for 115VAC

60A (RMS) maximum for 240VAC

OUTPUT:
Total Output Power

30W

Output Ripple

24V 240mVp-p

56V 560mVp-p

Efficiency

Meets Energy Star Level V Efficiency

Hold-up Time

10mS min. 120VAC and maximum load

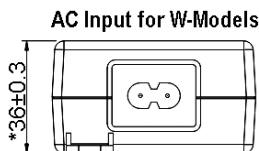
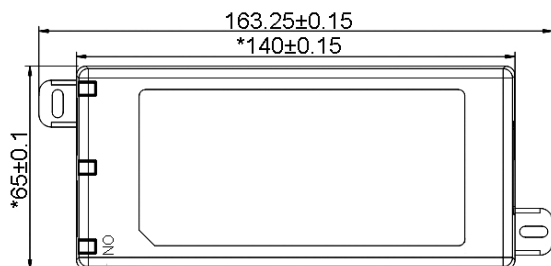
ENVIRONMENTAL:
Temperature

Operation 0 to +40°C

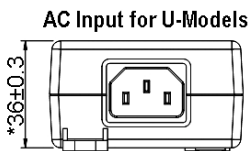
Non-operation -25 to +65°C

Humidity

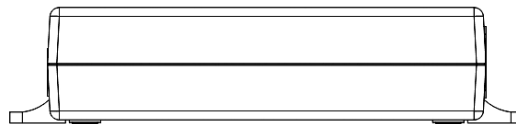
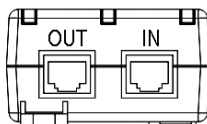
Operation 20 to 90%

Dimension Diagram Unit: mm (inch)


AC Input for W-Models



AC Input for U-Models


EMC

FCC Part 15 Class B

EN55022 Class B

Isolation Test

Primary to Secondary: 1500VAC for 1 minute 10mA (U)

Primary to Secondary: 3000 VAC for 1 minute (W models)

Primary to F.G.: 1500VAC for 1 minute (U models)

Output to F.G.: 1500VAC (U models)

Immunity

ESD: EN61000-4-2. Level 3

RS: EN61000-4-3. Level 2

EFT: EN61000-4-4. Level 2

Surge: EN61000-4-5. Level 3

CS: EN61000-4-6. Level 2

Voltage Dips EN61000-4-11

Harmonic: EN61000-3-2 Class A

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

Primary to Field Ground: >10M OHM 500VDC

IEEE 802.3at Interoperability

UNH Interoperability report available upon request

FEATURE:
Over Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection.

The output can be shorted permanently without damage

Input Connector

IEC320 C12 for U Models

IEC320 C8 for W Models

Output Connection

+pins 4, 5

-pins 7, 8

Warranty

1 Year

