



Single Port 30W Power-over-Ethernet Interchangeable* Wall Plug Adapter



Features

- DOE Level VI Compliant
- CoC Tier 2 Compliant
- Fully Compliant with IEEE802.3at
- Non-Vented Case
- Field Interchangeable AC Clips*
- 2.5G Data Speed
- Low Cost
- Full Protection OCP, OVP
- Diagnostic LEDs
- 1 Year Warranty

Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Points
- Security Cameras
- IP Print Servers

Safety Approvals – Pending

- cUL/UL 62368-1
- IEC 62368-1

Mechanical Characteristics

- Length: 91mm (3.58in)
- Width: 60.2mm (2.37in)
- Height: 35mm (1.38in)
- Weight: 300g (0.66lbs)

Output Specifications

Model	DC Output Voltage	Load		Output Power	Data Speed	Regulation ¹	
		Min.	Max.			Line	Load
POE30R-1ATP-R	56V	10mA	0.536A	30W	2.5G	+1V/-2V	

Note:

1. Voltage measured within 5cm of output connector

INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC

AC Input Current

0.8A (RMS) max

Leakage Current

0.25mA max

AC Input Frequency

47-63Hz

AC Inrush Current

70A max for 240VAC

Using Chroma 61504 AC Source
(Cold Start @ 25°C), (CPK > 1.5 at PP)**OUTPUT:****Total Output Power**

30W @40°C

15W @50°C

Ripple³

200mV max @25°C

Efficiency⁴

DOE Level VI, CoC Tier 2

Transient O/P Voltage Protection60V max at switch on/off, any AC line
phase**ENVIRONMENTAL:****Temperature**

Operation -10 to +50°C

Non-operation -20 to +70°C

Operating Humidity 5% to 90% RH

EMC

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

Immunity

Harmonic: EN61000-3-2 Class A

ESD: EN61000-4-2 Contact 8KV
Air 15KV. Criteria A

RS: EN61000-4-3 3V/M

EFT: EN61000-4-4 1KV, Criteria A

Surge: EN61000-4-5 L-L 2KV,
Criteria A

CS: EN61000-4-6 3V

Voltage Dips EN61000-4-11 Class 3

Dielectric withstand (HI-POT)

4242VDC for 1 min., 10mA

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

FEATURES:**Over Current Protection**

≤750mA

Over Voltage Protection

<60VDC for <0.2 seconds. Non-latching.

Short Circuit Protection

Non-latching. Auto-recovery.

Hold-up Time

10mS min. 120VAC/60Hz and max load

Data in/Output Connector

Unshielded RJ45

Output Connection

+pin 3,6 / -pins 1,2

Warranty

1 Year

Notes:

- The characteristics defined are at ambient temperature of 25°C unless otherwise specified
- Measured with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz (tested by oscilloscope). 20 minutes warm-up required when operating at negative temperature.
- Efficiency is measured after 30 minutes burn-in

LED Indicators

Green blinking 1 per 3 seconds – Power Good

Green LED blinking 1 per 5 seconds – No connection

Yellow LED blinking – No Load

Green/Yellow fast blink – Fault Detected

Yellow solid – Over/Short Current Detected

AC Input Clips (sold separately)

RPA– AB01B-H: US

RPB–AB01B-H: Brazil

RPC– AB01B-H: China

RPE– AB01B-H: Europe

RPH – AB01B-H: Korea

RPI– AB01B-H: India

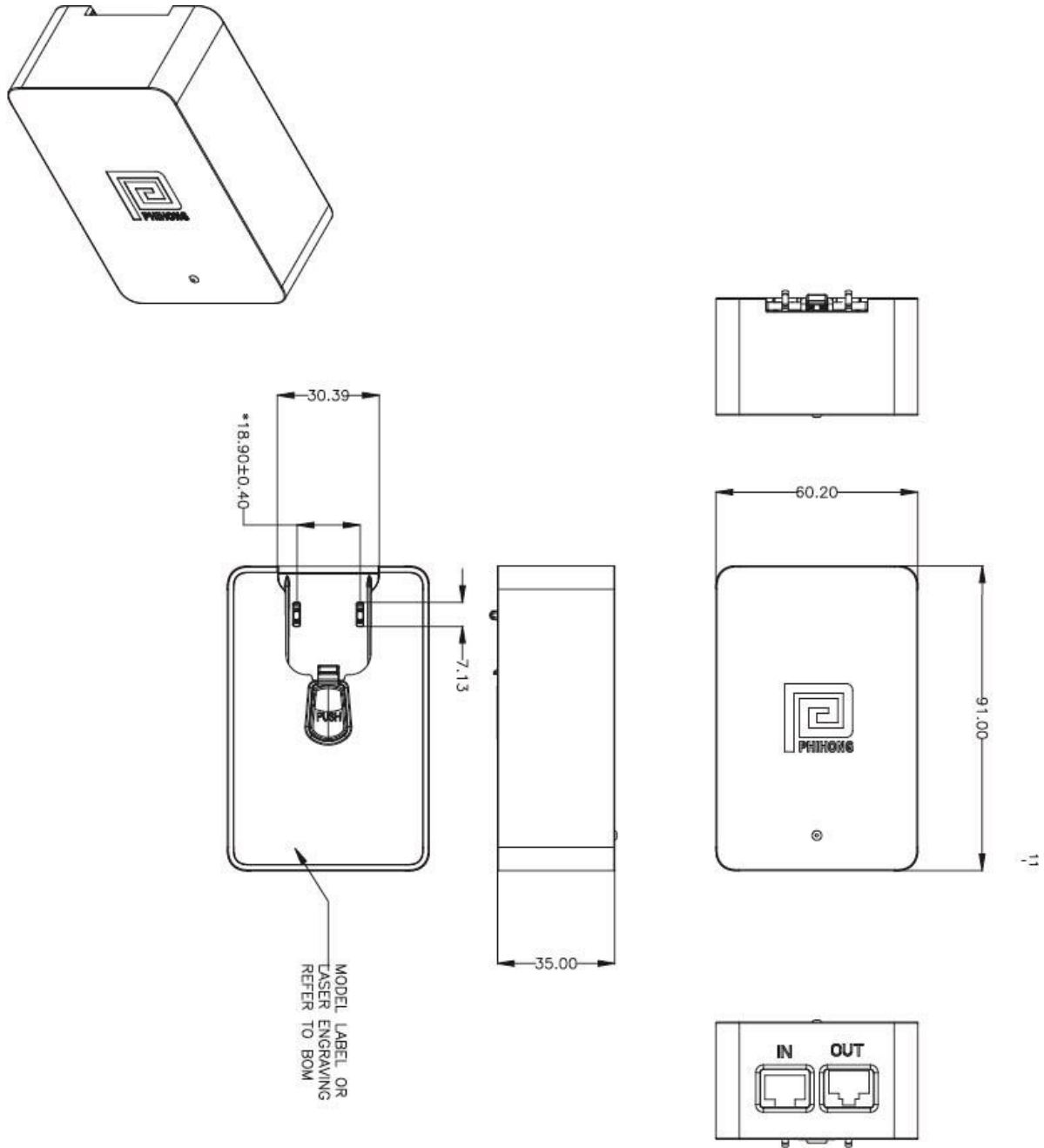
RPK– AB01B-H: UK

RPN – AB01B-H: Argentina

RPS – AB01B-H: Australia

RPBAG – AB01B-H: RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H

Dimensional Diagram Unit: mm






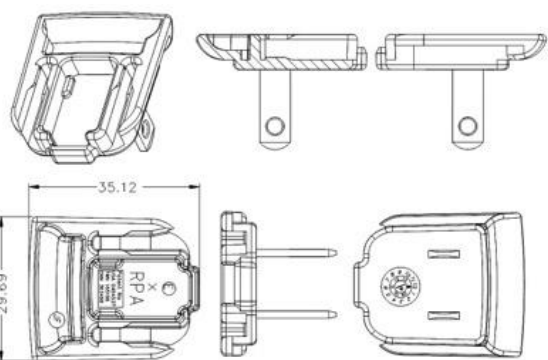

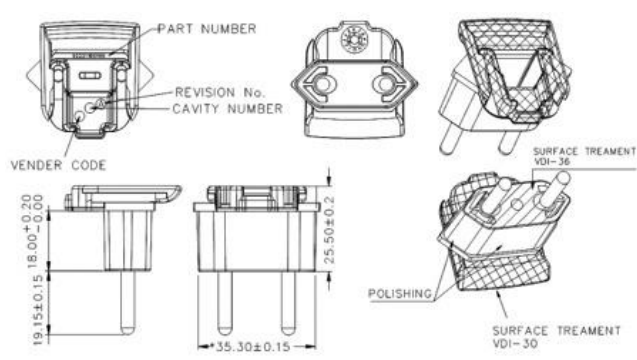

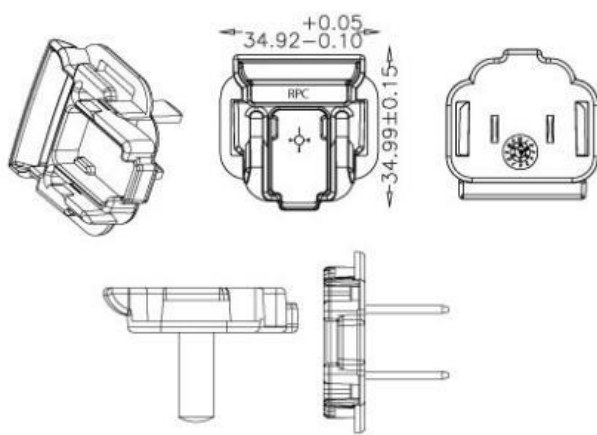
Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information


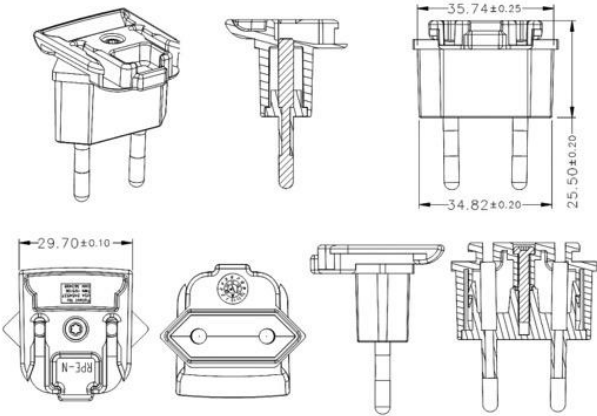

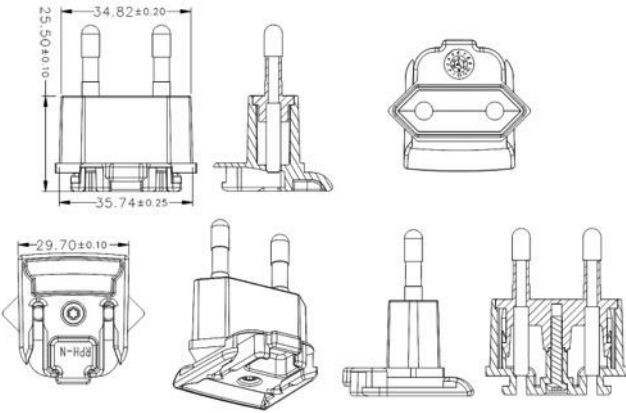

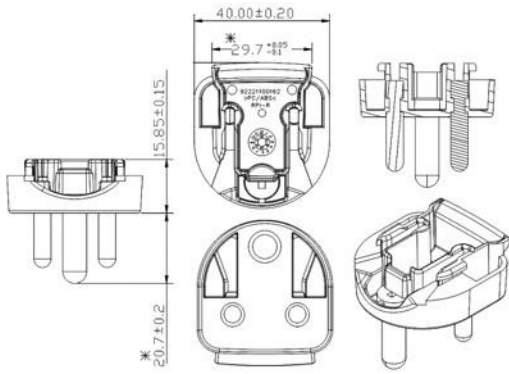

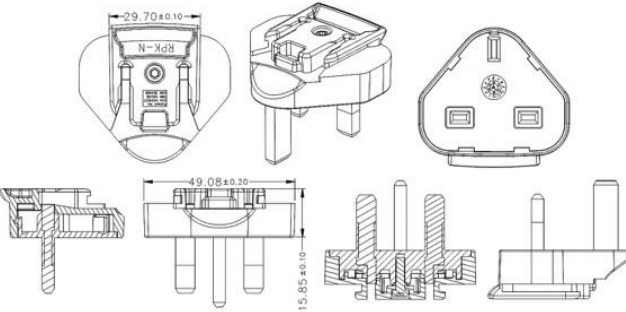
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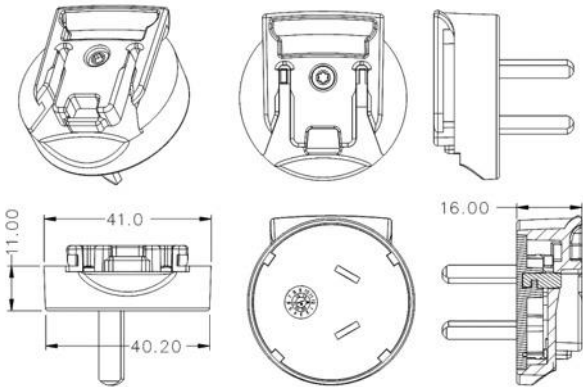

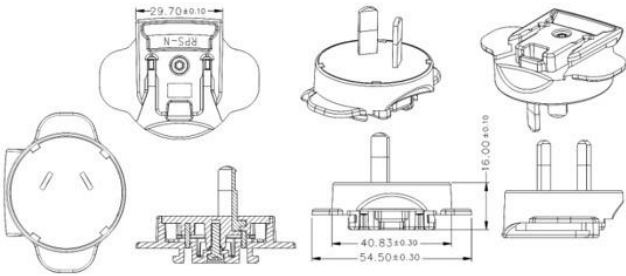

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



AC Input Clips – Sold Separately

Model	Photo	Description	Outline Drawing - mm
RPA-AB01B-H		US Clip	
RPB-AB01B-H		Brazil Clip	
RPC-AB01B-H		China Clip	

RPE-AB01B-H		Europe Clip	
RPH-AB01B-H		Korea Clip	
RPI-AB01B-H		India Clip	
RPK-AB01B-H		UK Clip	

RPN-AB01B-H		Argentina Clip	
RPS-AB01B-H		Australia Clip	
RPBAG-AB01B-H	<p>RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H interchangeable clips in a plastic bag.</p> 		

Mouser Electronics

Authorized Distributor

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[POE30R-1ATP-R](#)