EVB200

Hardened Voltage Booster for PoE Applications



Overview

Our robust voltage booster is designed to elevate input voltage and deliver a consistent power level ideal for Power over Ethernet (PoE) devices

It operates efficiently with an input range of 12-48VDC, providing up to up to 200W at 52-54VDC and an input range of 12-48VDC. The output voltage can be easily fine-tuned using the built-in voltage knob. Engineered for dependable operation in harsh environments, this power booster is perfect for solar applications where 12V or 24V inputs are common, but PoE is required.

Highlights

Versatile Input Range & Reliable Power Delivery

Delivers max 100W at 12V-24V DC input range
Delivers max 200W at 24V-48V DC input range

Adjustable Voltage Output

Easily fine-tune the output voltage using the built-in voltage knob.

Hardened-Grade for Non-Ventilated & Harsh Environments

Wide operating temperature range -40 to 75°C (-40 to 167°F)
Fanless operation
High impact, thermal shock, and electrical noise resistance

Specifications

Interface

LED Indicators

PWR (Amber)

ON - Power Ready

OFF - No Power Input

Adjustable Voltage Knob

Adjustable from 52-54VDC

Power

Power Connector

4 pin terminal block

2 pins for 12-48VDC input

2 pins for 52-54VDC output

Terminal Block

Wire range: 0.34mm² to 2.5mm²

Solid wire (AWG): 12-24/14-22

Stranded wire (AWG): 12-24/14-22

Torque: 5lbs-in/0.5Nm/0.56Nm

Wire strip length: 7-8mm

Protection

Current overload protection

Physical

Casing Material

Rugged Metal

IP Rating

IP30

Dimensions

32 x 81.5 x 103.5mm (W x D x H)

1.26" x 3.21" x 4.07"

Weight

0.75lbs (0.34kg)

Installation Type

DIN-rail or wall mount

Environmental

Operating Temp.

-40 to 167°F (-40 to 75°C)

Storage Temp.

-49 to 185°F (-40 to 85°C)

Relative Humidity

5% to 95% (non-condensing)

MTBF

>626,863 hours @ 50°C

Regulatory

ISO

Manufactured in ISO-9001 facility

EMC

FCC/CE

EMS

IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV

IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV

IEC 61000-4-5 Surge: Power: 4KV; Signal: 2KV

Safety

LVD (EN62368-1)

Vibration

EN 60068-2-6

Shock

EN 60068-2-27

Free Fall

EN 60068-2-32

Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

What's Included

Device

Voltage Booster

Installation

Mounting brackets, screws, 4-pin terminal block

Documentation

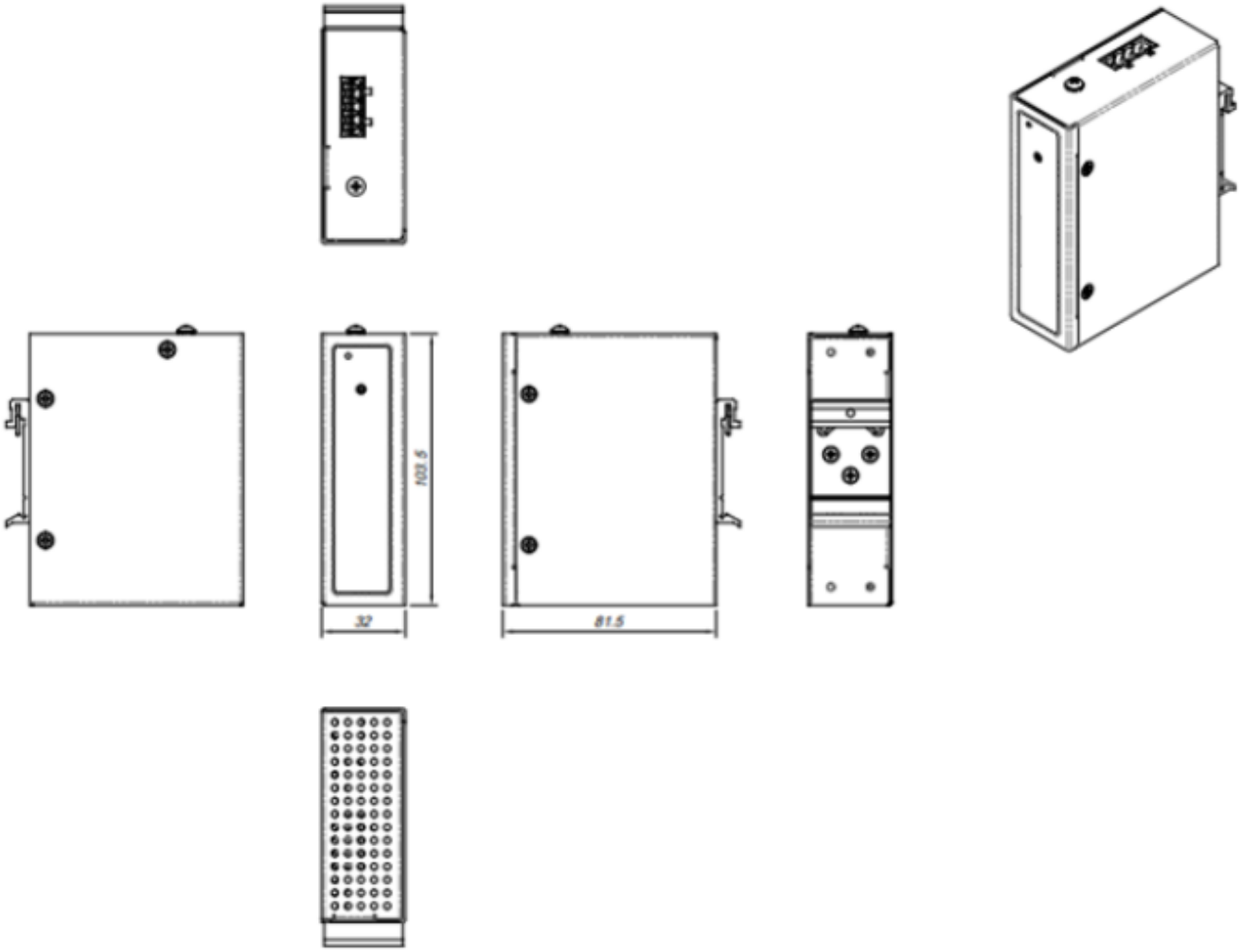
Quick install guide

MPN

EVB200

1747155

Dimensions



Ordering Info

Model

EVB200	Hardened Voltage Booster

© EtherWAN Systems, Inc. All rights reserved. 20261111
EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.