

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

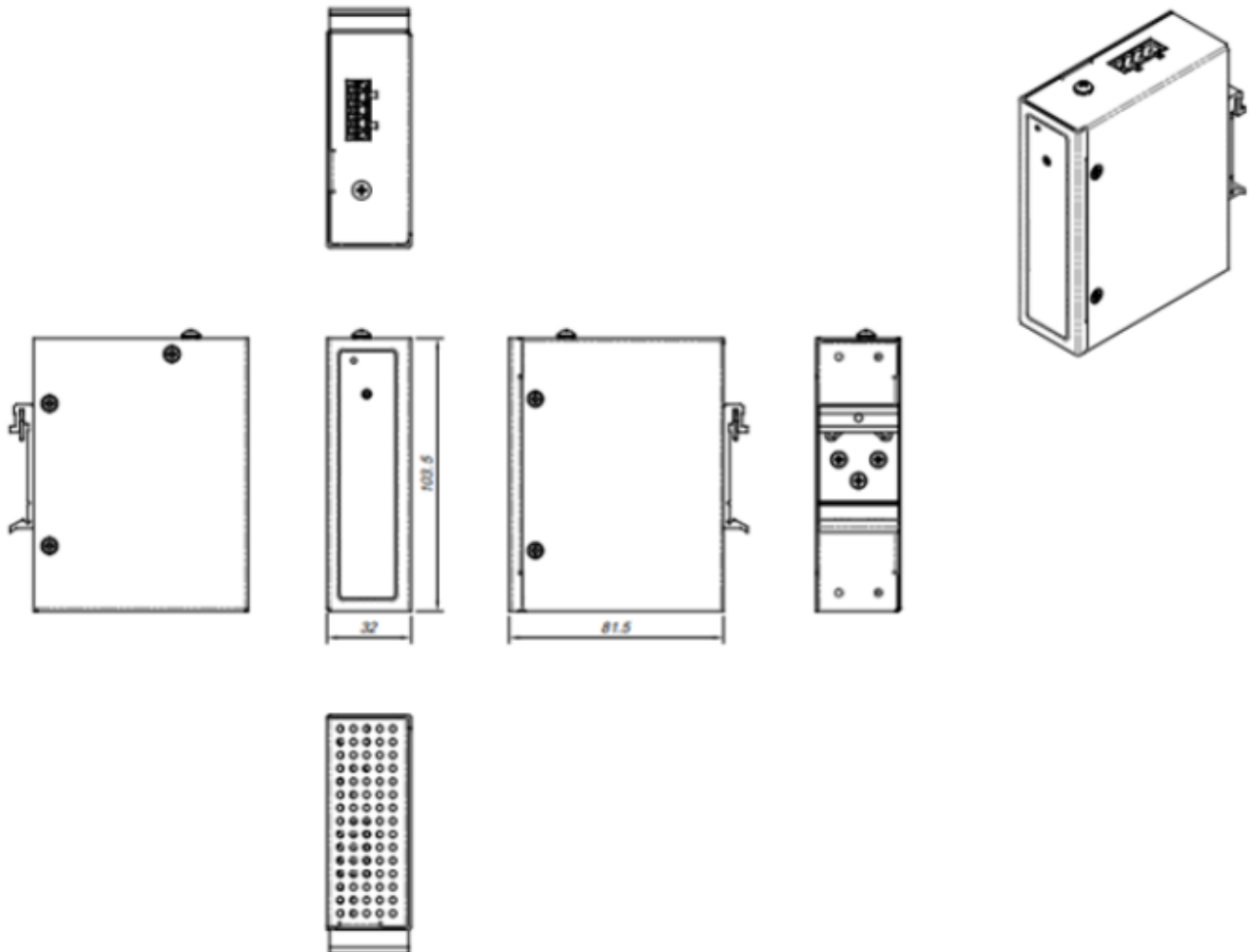
Installation

Mounting brackets, screws, 4-pin terminal block

Documentation

Quick install guide

Dimensions



Ordering Info

+ Model

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| EVB200 | Hardened Voltage Booster |
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