

EVB200 Hardened Voltage Booster for PoE Applications



Overview & Highlights

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.

+ 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

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

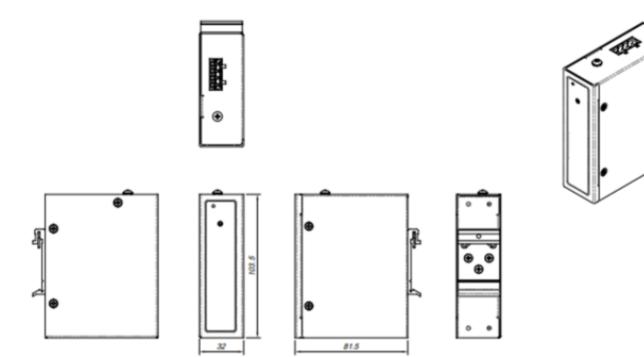
Device Voltage Booster

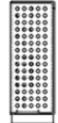
Installation Mounting brackets, screws, 4-pin terminal block

Documentation Quick install guide



Dimensions





Ordering Info



EVB200 Hardened Voltage Booster





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