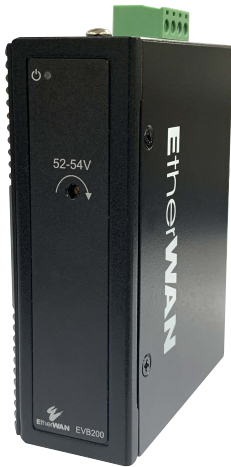


# EVB200

Hardened Voltage Booster



## Product Highlights

### Reliable Power Delivery

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

### Hardened-Grade

- Wide operating temperature range from -40 to 75°C (-40 to 167°F)
- Fanless operation

## Overview

This voltage booster is a hardened device for raising the input voltage to provide a steady voltage level suitable for power over ethernet (PoE) devices. With an input range of 12-24VDC, a max of 100W of power is provided at 52-54VDC.

A range of 24-48VDC provides 200W max at 52-54VDC. The output voltage can be adjusted with the voltage knob. The power booster ensures reliable operation in harsh environments and is a perfect addition to applications such as solar where 12V or 24V are most common, but PoE is needed.

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**EVB200** Hardened Voltage Booster. Boosts 12-48VDC to 52-54VDC.

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# Hardware 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 12-48VDC input 2 pins 52-54VDC output	
Terminal Block	Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> 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	
Booster	Boosts maximum 100W at 12-24VDC input Boosts maximum 200W at 24-48VDC input	
Passive PoE Out Pin Assignment	Pin 4 (V+), 5 (V+), 7 (V-), 8 (V-)	
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	
EMI	CISPR 32, FCC Part 15B Class A	
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	<a href="https://etherwan.com/support/warranty-policy">https://etherwan.com/support/warranty-policy</a>	
What's Included		+
Device	Voltage Booster	
Installation	Mounting brackets, screws, 4-pin terminal block	
Documentation	Quick install guide	

# Dimensions

