

Industrial Voltage Booster

WI-VB102-52V



Overview

The WI-VB102-52V is an industrial-grade Voltage Booster that supports 1 12–48V DC input and 2 52V DC outputs. If the input power is less than 48V, the WI-VB102-52V can booster the power voltage to redundant 52V output.

Specially designed durable components and strong housing ensure stable operation in extremely harsh environments. For best cabinet usage, the WI-VB102-52V is housed in a compact, robust IP40 casing that can be mounted on a wall or a DIN-rail.

Features

Golden partner with Industrial PoE switch

This device can boost 12–48V input DC power voltage to dual 52V higher DC power voltage. Meet the industrial switch output PoE power requirement of outdoor low voltage power supply systems, such as solar power systems, and 12V or 24V battery backup power systems.

Reliable High Level Protection Design

–40–75°C operating temperature, 6kV surge immunity for power 15kV air discharge and 8kV contact discharge ESD protection, makes it an ideal choice for outdoor application scenario. Guarantee the stable and reliable performance even in harsh environment.

Solid and compact shell design

Solid and compact Aluminum Alloy shell design, with excellent heat dissipation performance, and flexible installation in engineering box guarantee stable operation.

Specifications



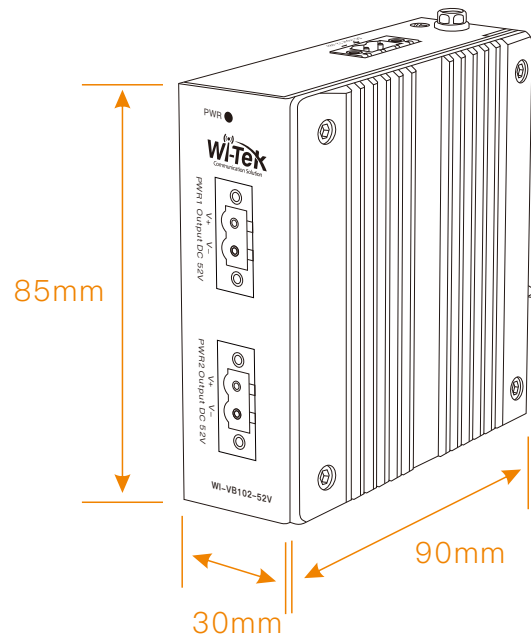
Hardware Features	
Model	WI-VB102-52V
Interfaces	
DC IN	1 * 2-PIN 5.08mm phoenix connector
DC OUT	2 * 2-PIN 5.08mm phoenix connector
Power Parameters	
Input Voltage	DC 12-48V
Input Current	5.7A---12V input, 60W output 5.4A---24V input, 120W output 2.7A---48V input, 120W output
Output Voltage	52V±10%
Output Power	60W ---12V input 120W---24V/48V input
Physical Characteristics	
LED Indicators	PWR(Green) On: the device power on is normal Off: the device is power off or failed
Fan Quantity	Fanless
Dimensions (W*D*H)	Product Dimension: 30*90*85mm
	Package Dimension: 153*125*44mm
Weight	Net Weight: 0.2 kg
	Package Weight: 0.4 kg
Installation	DIN-rail



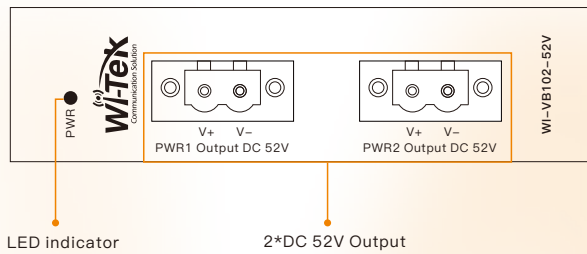
Model	WI-VB102-52V
Reliability	
Surge Immunity	IEC 61000-4-5 Common mode 6kV Differential mode 2kV
ESD Protection	IEC 61000-4-2 Contact discharge 8kV Air discharge 15kV
Protection	over current protection@7.5A, reverse polarity connect protection
Operating Environment	-40°C to +75°C, 5%~95% (non-condensing)
Storage Environment	-40°C to +85°C, 5%~95% (non-condensing)
Certification	
Certification	CE, FCC, RoHS, UKCA, RCM

WI-VB102-52V

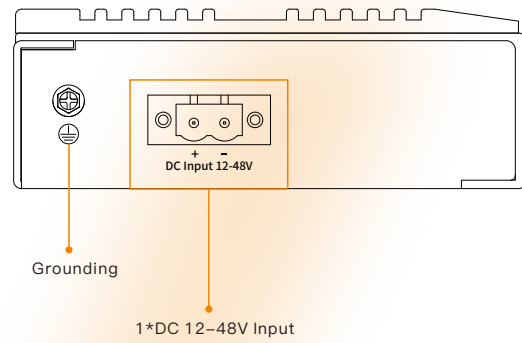
Dimensions (mm)



Front Panel



Side Panel



Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Industrial Voltage Booster	1 pcs
Phoenix terminal connector	3 pcs
Quick Installation Guide	1 pcs



Wireless-Tek Technology Limited

Address: Building 3, Units 1801-1807, 1812, Huaqiang Era Plaza, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, China.

Website: www.wireless-tek.com

Tel: 86-0755-32811290

Email: sales@wireless-tek.com

Technical Support: tech@wireless-tek.com



Technical Support



Cloud Management



Company Website