



# **User Manual: PS-DIN-DC24/48/72 Booster**

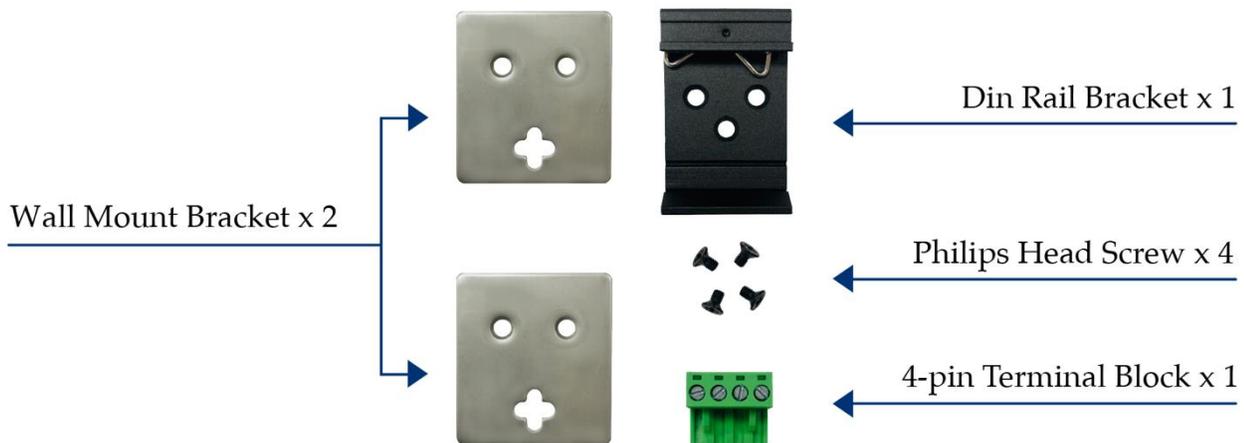
Version 4.2020

## Introduction

This Rugged design 72Watts Power Booster is a power device which boosts 24VDC up to 55VDC to power up your PD for up to 72Watts. It is designed for environments where 48VDC power is not available. With all industrial graded components, this industrial power booster will guarantee a steady voltage output to your PD in a harsh environment. It has been rigorously tested for your security, transportation and telco applications.

## Installation package

This unit can be din-rail or wall mounted. Din-rail brackets and wall mount brackets are included.



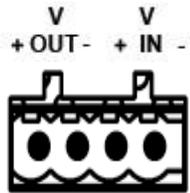
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## Power connection

This unit provides a 4 pin terminal block. It can be operated using 24-56 VDC power source. Always make sure your input voltage is within this supported voltage range.

**To connect power:** Follow the printed polarity for V+, V-. Connect positive wire to V+, connect negative wire to V-.

### Power connecting procedure:



Step1 – Pull out 4 pin terminal block.

Step2 – Connect wire to V IN+ and V IN- for VDC input power.

Step3 – Connect wire to V OUT+ and V OUT- for VDC output power.

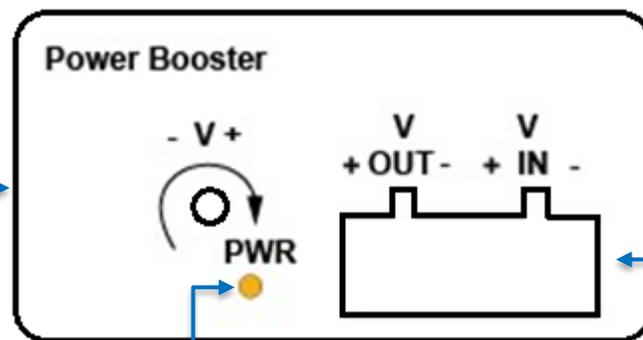
Step4 – Plug back 4 pin terminal block to this connector.

**WARNING** -- Always SHUT OFF power source to connect power wire.

**WARNING** -- Any exceeded input voltage will not make this unit function and may damage this unit.

## LED indicator

Voltage adjustable Knob –  
Rotate the Knob clockwise to increase output  
voltage from 48VDC to 55VDC  
Rotate the Knob counterclockwise to decrease  
output voltage from 55VDC to 48VDC



PWR (Amber)  
ON- power ready.  
OFF – no power input

Power Connector  
V IN – VDC Power Input  
V OUT – VDC Power Output

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## Specifications

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<b>LED</b>	PWR(Amber) ON- power ready. OFF – no power input
<b>Overload current protection</b>	Present
<b>Removable Terminal Block / Power Connector</b>	4 pin terminal block. 2 pin for 24-56VDC Voltage input, 2 pin for 48 to 55 VDC Voltage output
<b>Removable Terminal Block</b>	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:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
<b>Voltage Adjustable Knob</b>	To adjust voltage output from 55VDC to 36VDC to meet your existing application
<b>Booster Power</b>	Maximum Booster power 72watts at 48VDC input
<b>Operating Temperature</b>	-40°C~75°C fully tested.
<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>Storage Temperature</b>	-40°C~85°C
<b>Housing</b>	Rugged Metal, IP30 Protection
<b>Case Dimension (L X W X D) mm</b>	59x36x49mm (LxWxD)
<b>Installation mounting</b>	DIN Rail and Wall Mount options included

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## Certifications

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<b>Safety</b>	IEC EN60950-1
<b>EMC/EMS</b>	CE, FCC, VCCI
<b>EMI</b>	FCC Part 15 Subpart B Class A
<b>EN 60068-2-6</b>	Vibration
<b>EN 60068-2-27</b>	Shock
<b>EN 60068-2-32</b>	Free Fall

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## Housing Dimension (mm)

