Quick Installation Guide

Read Before Operating

Version 1.0

Power Booster – DD-0953 Series

- **DD-0953-360**

  360W Industrial DIN-Rail Power Booster, 9-36VDC power input, 53VDC power output, -40°C~75°C

- **DD-0953-480**

  480W Industrial DIN-Rail Power Booster, 9-36VDC power input, 53VDC power output, -40°C~75°C
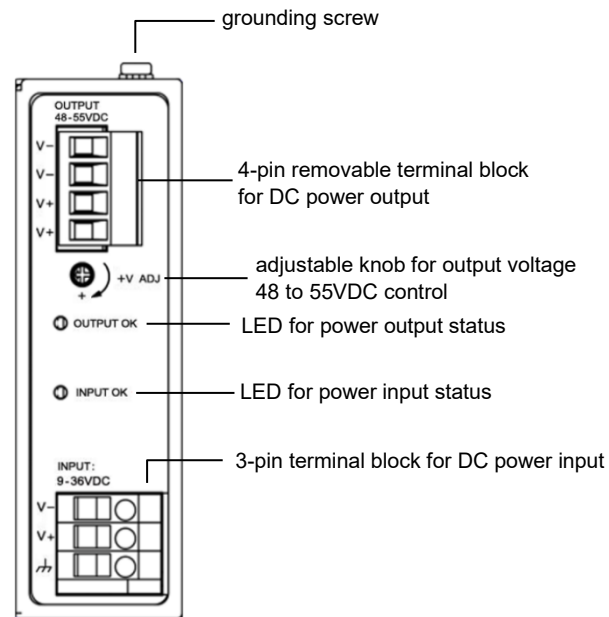
Ambient Temperature

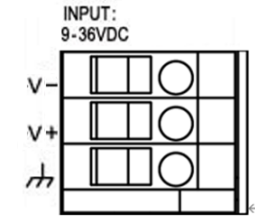Operating Temperature Range: -40℃~75℃

Product Overview

- Featuring the booster technology from 9-36VDC power input to 53VDC
- Output voltage adjustable (48V-55V) via built-in SVR
- Short circuit (Output) / Overload (Input) Protection
- Input / Output Reverse Polarity Protection
- Input Under Voltage Protection
- LED Power Indicator (Input/ Output)
- Fan-less Design, cooling by free air convection

Front Panel Layout

grounding screw

4-pin removable terminal block for DC power output

adjustable knob for output voltage 48 to 55VDC control

LED for power output status

LED for power input status

3-pin terminal block for DC power input

Power Input

- Power inputs contact interface are on the front panel
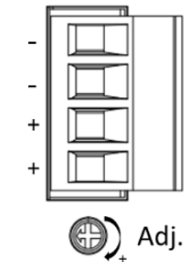- Support 9-36(up to 55) VDC power inputs through 3-pin terminal block interface

Note:
1. Only use copper conductors, 125°C, tighten to 5 lbs.
2. The wire gauge for the terminal block should range between 18~20 AWG.

Power Output

- Support DC power outputs through removable 4-pin terminal block interface
- DC output voltage is adjustable from 48 to 55 VDC by the adjusting knob

Note:
1. Please adjust the knob by fine-tuning.
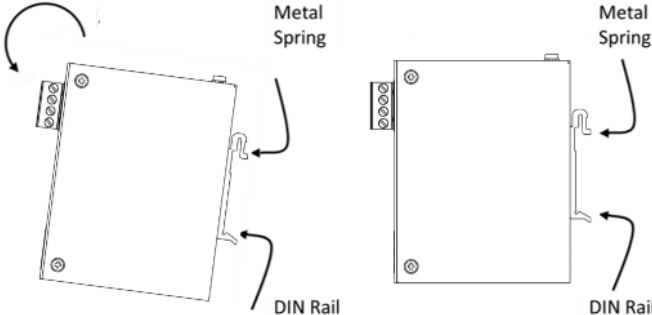
LED Indicators

LED	Color		Description
Input OK	Green	On	DC Input works normally
		Off	DC input is failed
Output OK	Green	On	DC output works normally
		Off	DC output is failed

Mounting Installation

1. DIN-Rail Mounting

Follow the steps below to mount the industrial power booster using the pre-installed DIN-Rail bracket.

Step 1. Insert the top of the DIN-Rail on to the track.

Step 2. Lightly pull down the bracket on to the rail.

Step 3. Check if the bracket is mounted tightly on the rail.

Step 4. To remove the industrial power booster from the rail, perform steps in reverse.

2. Wall Mounting

Follow the steps below to mount the power booster using the wall mounting bracket. (kits are packed in the product box)

Step 1. Remove the DIN-Rail bracket from the industrial power booster by loosening the screws.

Step 2. Place the wall mounting brackets on the top and bottom, and use the screws to screw the wall mounting bracket onto the industrial power booster.

Step 3. Use the hook holes at the corners of the wall mounting bracket to hang the industrial power booster on the wall.