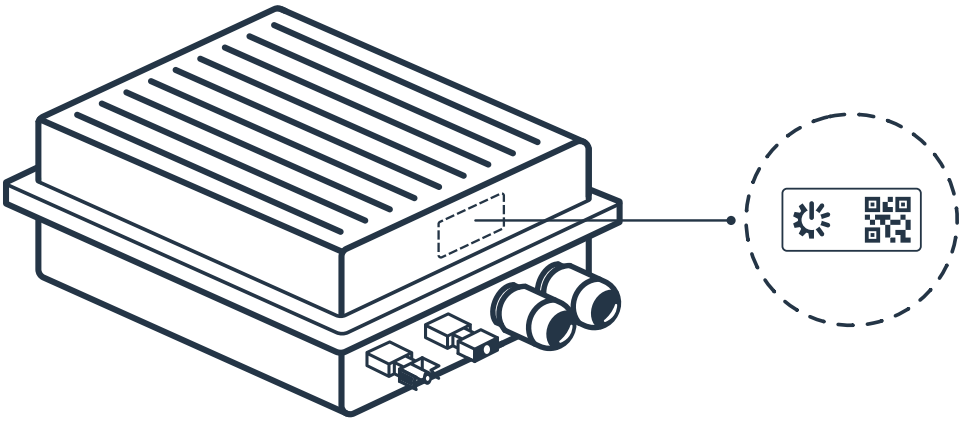
Fuzion

FTP-300-B300-G-R1
FTP-300-B150-G-R1

Quick Start Guide – FTP-300

Solar Charged Power Solution



Congratulations on purchasing your new Fuzion product! This quick start guide is designed to walk you through the process of deploying your Fuzion product correctly in as little time as possible.

Before you connect any devices, ensure that the combined power draw of connected devices is less than 30 W. For best uptime results with your Fuzion power product, the combined power draw should be less than 20 W.

Attention:

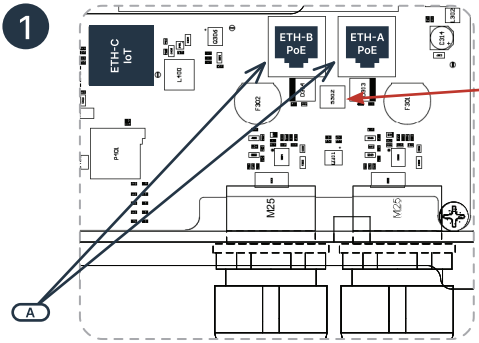
The FTP-300 is designed to power up to two devices with selectable + 24/48 Vdc Power over Ethernet. An AUX port with +24 Vdc is available for devices without PoE support.

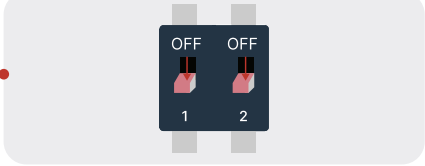
Warning:

Your FTP-300 comes pre-assembled with batteries inserted. For warranty purposes, it is not allowed to remove or replace the battery cells.

Connect your power unit in a few easy steps.

1





Step 1: Switch the power OFF on both the PoE ports by switching the dip switches to the down position.

(A) **PoE ports**

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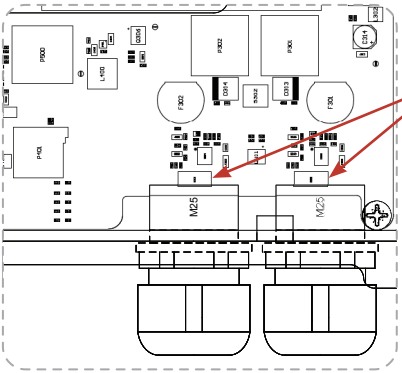

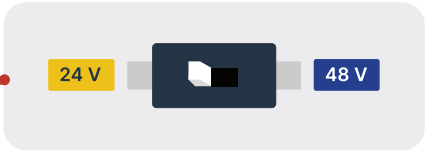

Step 2: Set the PoE Voltage.
Select the correct voltage for each device by changing the voltage dip switch, 24 V to the left and 48 V to the right. The glowing LED is **Yellow for 24 V** and **Blue for 48 V**.

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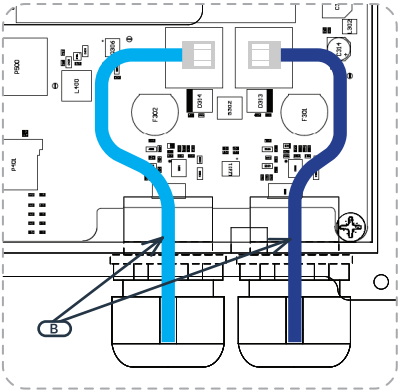

Step 3: Connect Ethernet Ports. Connect your Cat 5/6 Ethernet cable from your device to port ETH-A or ETH-B. Make a small loop on the cable before inserting so you are able to unplug the ethernet cables from the ports in case of trouble shooting.

Warning: Be careful when when routing a cable through the cable glands not to damage the small dip switch close to the cable entry grommet.

(B) **Ethernet cables**

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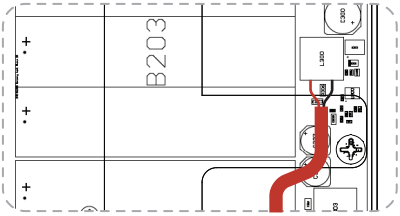

Step 4 (Optional): Connecting an AUX DC power cable. When in need to power a device without PoE, it's possible to use the **24 V AUX port** instead. Fasten your DC power cable in the AUX port with a flat screwdriver and route the DC cable through the right cable gland.

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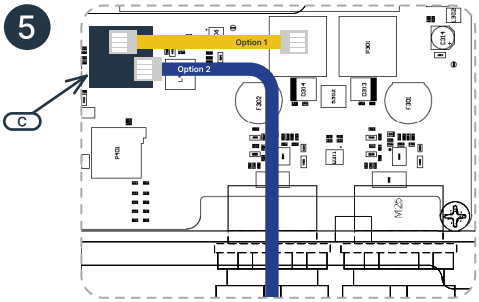

Step 5 (Optional): Connect Telemetry Port. The FTP-300 supports remote monitoring of various data points on the Fuzion Dashboard. To enable the dashboard you **must connect the IoT port ETH-C** to your access network.

Attention: Fuzion telemetry data is transmitted using MQTT on port 448 to global.azure-devices-provisioning.net. Ensure that the port is open and that traffic to the url is allowed in your network.

C **ETH-C Port**

Option 1:

Using Port ETH-B on FTP-300: Insert a short Ethernet cable between Port ETH-B and port ETH-C.

Caution: Ensure that power is turned OFF on port ETH-B before connecting to **port ETH-C** – or risk damaging the product.

Option 2:

Using a spare port in your network: If your connected devices have a spare port, connect one of those to port ETH-C. Route the extra Ethernet cable through the left cable gland.

Caution: Ensure that you don't pull the cable over the DIP switch – or risk damaging the product. Use the rubber grommet with two holes to create a weather proof seal in the cable gland.

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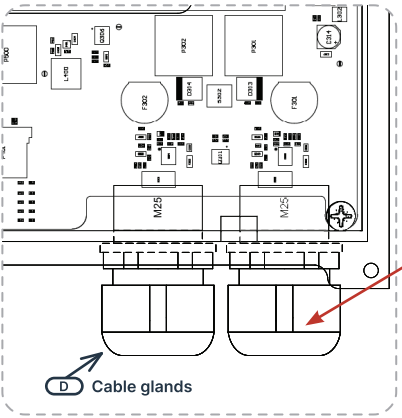
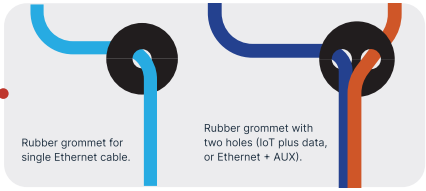


Step 6: Close Cable Glands. Prepare to close the unit by routing the cables through the supplied rubber grommets and attaching the cable entry glands for a weather resistant seal.



Warning: Choose the appropriate rubber grommet for each cable gland and tighten the cable entry gland by hand.

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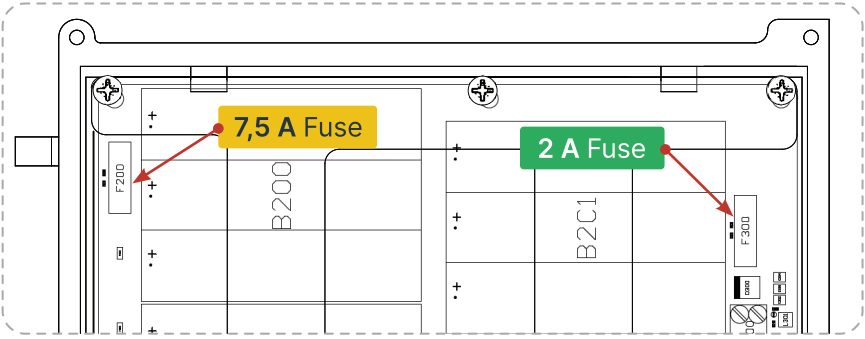

Step 7: Insert Fuse. Insert the supplied main **7.5 A fuse** in its position at the top left corner. The device connected to the AUX port will power on now.

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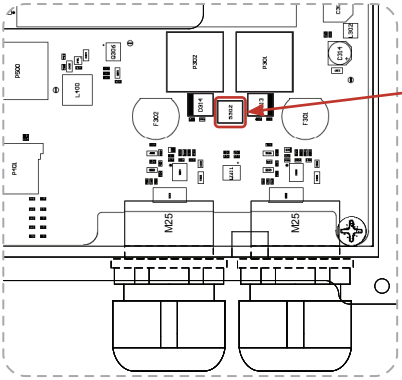

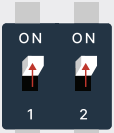

Step 8: Turn on Power. When the device(s) are connected, switch on the power on the dip switch for the appropriate port(s).

⚠ **Caution:** Ensure that power is turned on before proceeding to the next step.

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Step 9: Close Unit. Close the FTP-300, be sure the sealing rubber fits nicely, tighten the four screws on the box securely with a Phillips/Pozi screwdriver.

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Step 10: Deploying the Product: Deploy the FTP-300 with the equipment it is powering.

Attention: Take care to deploy the product without exposure to direct sunlight as excessive heat will damage the product. Installing in the shade of solar panels is often a good location.

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