METERBOOST

User Manual

Rev. 2024-2

MtB Smart GateWay

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USER MANUAL

The MtB Smart GateWay is the product that creates the interface between the batteries and the inverter. The MtB Smart GateWay connects to the batteries wirelessly and to the inverters either through CAN-Bus or RS485 (depending on the inverter brand).

When commissioning the system, the batteries need to be paired with the MtB Smart GateWay so that the communication can be established. To do so the installer should:

- Not connect any network cable to the Ethernet port.

- Connect the power cable of the MtB Smart GateWay to the DC system.

- Connect the communication cable to the inverters (either CAN-Bus or RS485, please check our quick start guide for detailed instructions).

- Make sure all loads (all breakers), PV inverters and solar chargers are switched off.

- For bigger installations (more than 5 kVA of inverter power) the inverters should be turned ON first, either with the grid, a generator, or a solar charger. So that their capacitors are pre-charged. For more information on how to do this please our Quick Start Guide.

- Power ON one, and only one of the batteries.

After this the MtB Smart GateWay will turn on (Power LED will turn red).

Upon booting, the MtB Smart GateWay will create a Wireless Access Point (AP) named "MeterBoost-GW-xxxxxxxxxxxx", the exact name is printed on the side label.

Using a Smartphone or a computer the installer should:

- Connect to this network.

- Open a web browser.

- Go to the website: http://192.168.33.1

Doing so will display the MtB Smart GateWay web interface. To pair new batteries with the MtB Smart GateWay the installer should click on the "Enable Pairing" button. For the next 5 minutes the MtB Smart GateWay will accept new battery requests, every time a battery is added the timer will be reset and restart the 5 minutes countdown. Newer versions of the MtB Smart GateWay also have a physical button next to the power connector that allows the user to activate the paring mode with a quick press.

Now that the MtB Smart GateWay is in paring mode, the installer can go to each battery and use the RED switch to pair each battery with this MtB Smart GateWay.

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