



M-Gateway Quick Installation Guide

Application model: MG100



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ATMOZEN APP

M-Gateway Introduction

M-Gateway is an intelligent device for home energy management that facilitates seamless communication between microinverters, batteries, and home smart devices, optimizing power usage, tracking energy production, and ensuring efficient distribution. With M-Gateway and the ATMOZEN app, users can view real-time energy performance.

Preparation Before Installation

- 1. Prepare the tools and materials:
 - Tools: Screwdriver, Wire stripper, Wire crimper, Multimeter, etc.
 - Materials: Power cables, 35x7.5mm punched mounting DIN rail, etc.

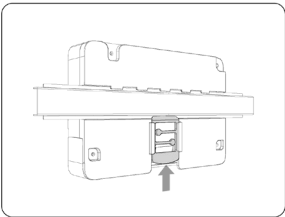
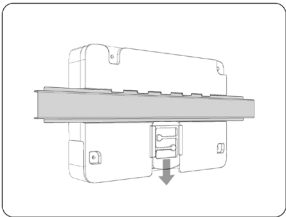
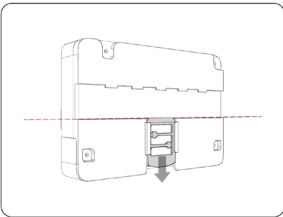
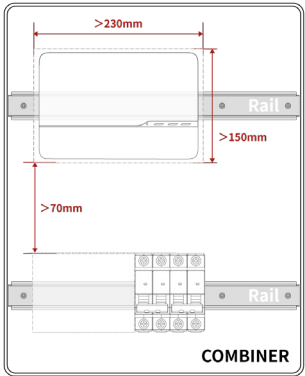
Catalog	Description
DIN rail	35x7.5 mm (W*H)
Power cable	2.5mm ² with cold-pressed terminal

NOTE:

- Confirm that the combiner box is de-energized to prevent any electrical hazards.
- M-Gateway should be installed in dry condition, avoiding moisture and dust.
- M-Gateway protection level is IP30, please install it in a suitable environment to guarantee the normal operation.

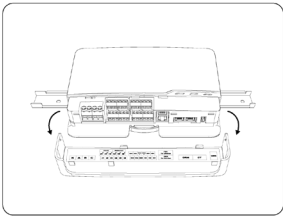
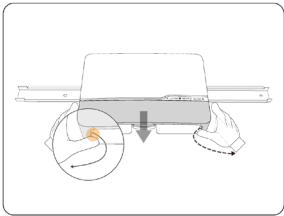
Installation

- 1. Install the DIN Rail
 - a. Ensure the space meets the M-Gateway installation requirements as shown in the figure on the right.
 - b. Ensure there is at least 70mm of clearance between the bottom of the M-Gateway and other devices.
- 2. Mount the M-Gateway
 - a. Pull down the securing clip on the M-Gateway.
 - b. Align the M-Gateway with the DIN rail inside the combiner box.
 - c. Release the securing clip.



3. Remove the Cover

- a. Press the cover buckles outward simultaneously.
- b. Pull the cover and check the interface diagram inside the gateway cover.

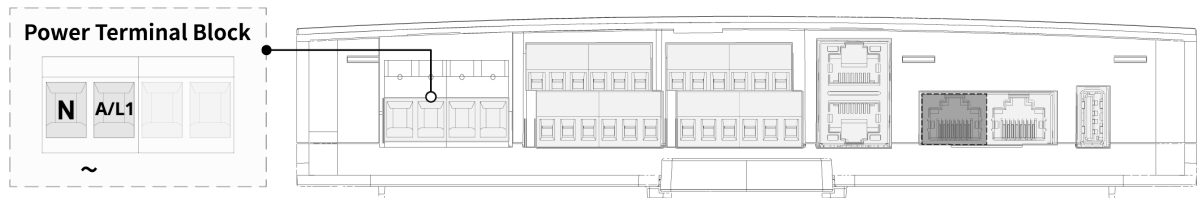


4. Connect the Cables

4.1 Single-phase scenario

4.1.1 Connect the power cables to Power Terminal Block

- Use a power cable to connect Terminal N to phase N inside the combiner.
- Use a power cable to connect Terminal A to phase L inside the combiner.
- Optional: It is recommended to install a 10A-rated circuit breaker to control the power on/off for the M-Gateway.



4.1.2 Connect the communication cables

- Connect to CTs: Refer to the "Single-Phase CTs Quick Installation Guide".
- Connect to M-Relay: Refer to the "M-Relay Quick Installation Guide".

4.2 Three-phase scenario

4.2.1 Connect the power cables within Power Terminal Block

- Use a power cable to connect Terminal N to phase N inside the combiner.
- Use a power cable to connect Terminal A to phase L1 inside the combiner.
- Use a power cable to connect Terminal B to phase L2 inside the combiner.
- Use a power cable to connect Terminal C to phase L3 inside the combiner.
- Optional: It is recommended to install a 10A-rated circuit breaker to control the power on/off for the M-Gateway.

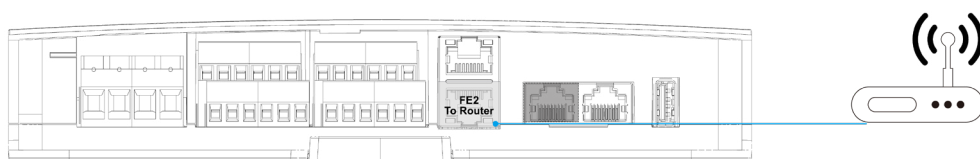


4.2.2 Connect the communication cables

- Connect to CTs: Refer to the "Three-Phase CTs Quick Installation Guide".
- Connect to M-Relay: Refer to the "M-Relay Quick Installation Guide".

NOTE:

- If there is no Wi-Fi or the Wi-Fi signal is weak, connect the 802.3 Cat 6 UTP Ethernet cable to the RJ45 terminal in the gateway, as shown in the figure.



5. Close the cover

- Check that the cables are connected correctly and re-install the cover.