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ATMOZEN APP

M-Gateway Quick Installation Guide

Application model: MG100-Wye & MG100-Delta

M-Gateway Introduction

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

Preparation Before Installation

a. Prepare the tools and materials

Tools: screwdriver, wire stripper, wire crimper, multimeter, etc.

Materials: power cables, 35 × 7.5mm punched mounting DIN rail, etc.

Catalog	Description
Power cable	2.5mm^2 with cold-pressed terminal
DIN Rail	35 × 7.5 mm (W × H)

NOTE:

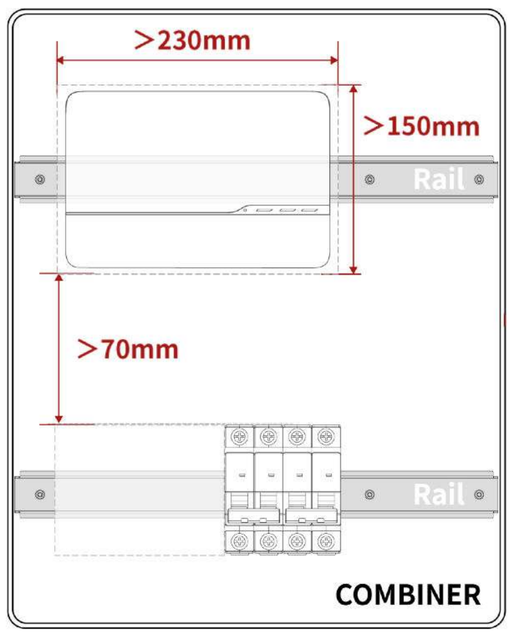
- Confirm that the combiner box is de-energized to prevent any electrical hazards.
- M-Gateway should be installed in dry condition, avoiding moisture and dust.
- M-Gateway protection level is IP30, please install it in a suitable environment to guarantee the normal operation.

Installation

1. Install the DIN Rail

a. Ensure the space meet the M-Gateway installation requirement in the figure on the right.

b. Ensure there is at least 70mm of space between the bottom of the M-Gateway and the other devices.

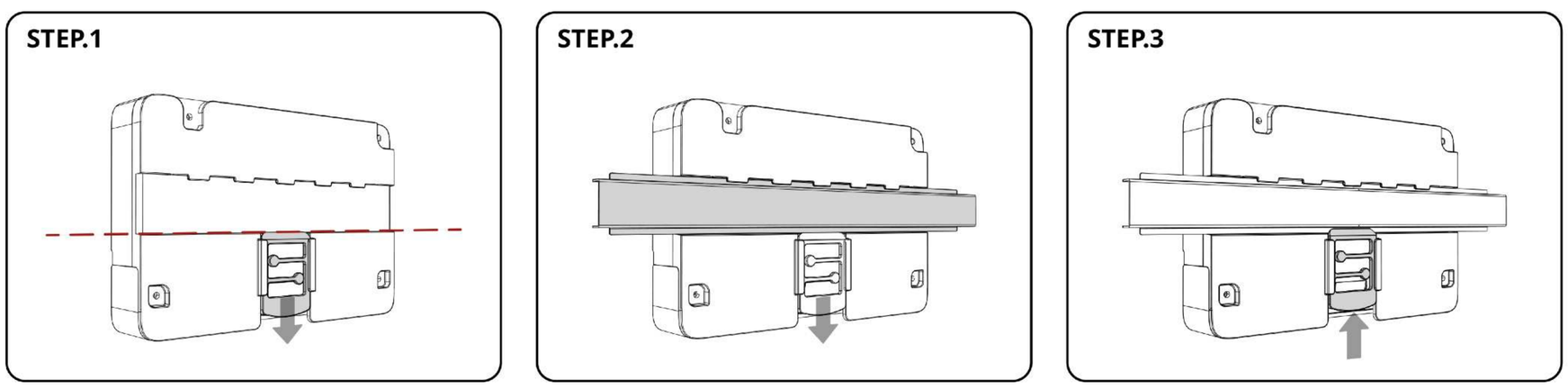


2. Mount the M-Gateway

a. Pull down the securing clip on the M-Gateway.

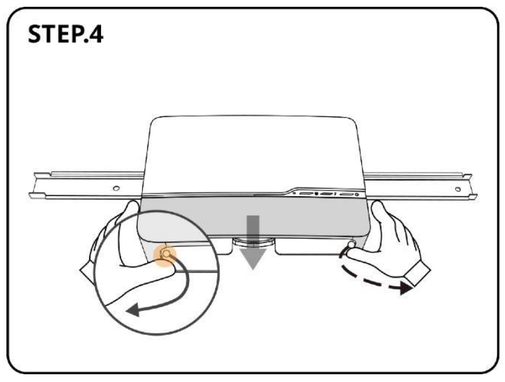
b. Align the M-Gateway with the DIN rail inside the combiner box.

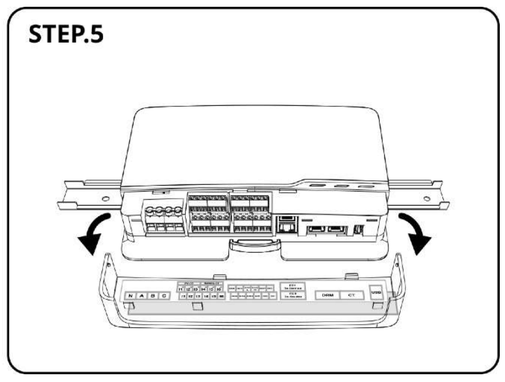
c. Release the securing clip.



3. Remove the Cover

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



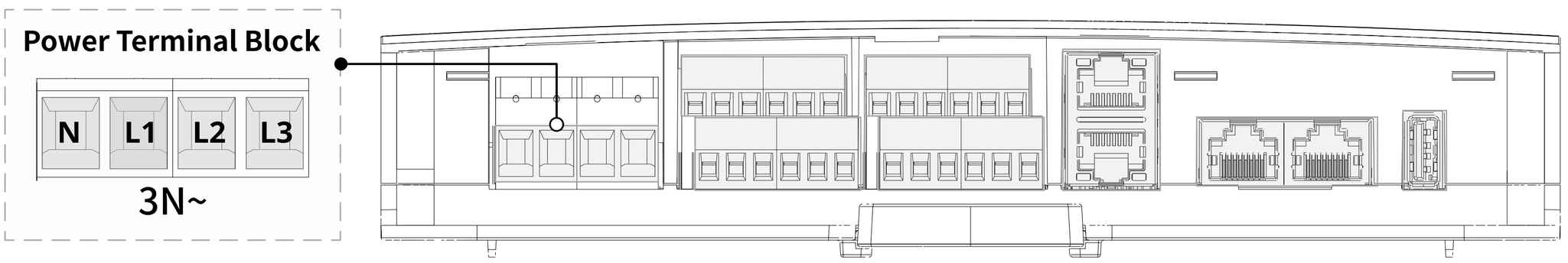


4. Connect the Cables

4.1 Wye Grid Type

Section A. Connect power cables to Power Terminal Block

a. Use a power cable to connect the Terminal N to phase N inside combiner.
b. Use a power cable to connect the Terminal L1 to phase L1 inside combiner.
c. Use a power cable to connect the Terminal L2 to phase L2 inside combiner.
d. Use a power cable to connect the Terminal L3 to phase L3 inside combiner.
e. Optional: Recommend to Install a 10A rated breaker to control the power on/off for the M-Gateway.



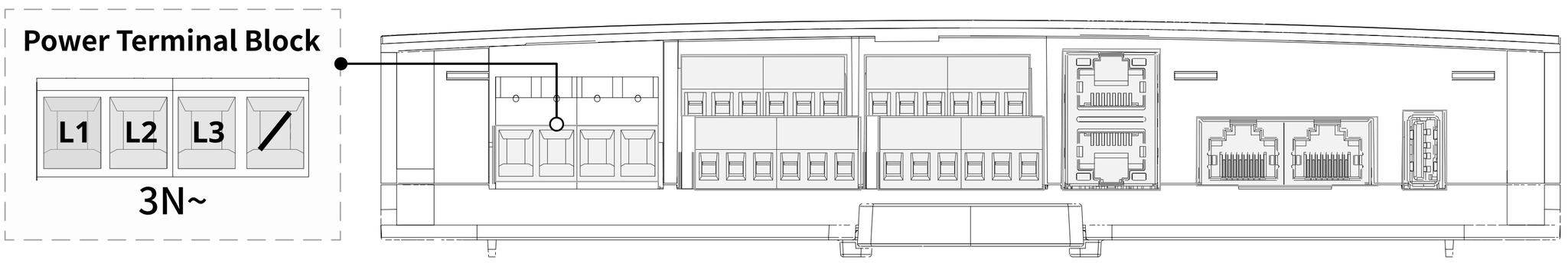
Section B. Connect communication cables

a. Refer to “M-Gateway User manual” for more details.

4.2 Delta Grid Type

Section A. Connect power cables to Power Terminal Block

a. Use a power cable to connect the Terminal L1 to phase L1 inside combiner.
b. Use a power cable to connect the Terminal L2 to phase L2 inside combiner.
c. Use a power cable to connect the Terminal L3 to phase L3 inside combiner.
d. Optional: Recommend to Install a 10A rated breaker to control the power on/off for the M-Gateway.

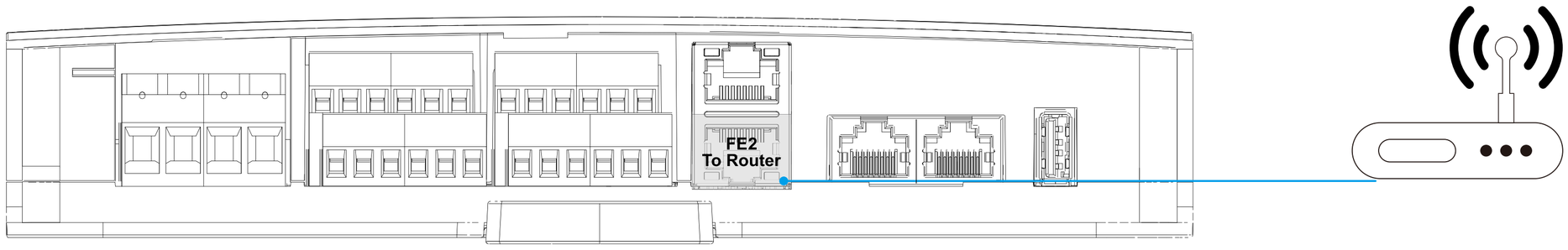


Section B. Connect communication cables

a. Refer to “M-Gateway User manual” for more details.

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

a. Check the cable is connected correctly and re-install the cover.

Rev. 1.0.0 Data subject to change.
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