

M-EV Charger Quick Installation Guide

Applicable models: MEV-11K-T



Installation

1

2

3

4

5

Power cable routing

Rear entry M28 x1

M25 Bottom entry x1

Note: When rear entry is selected, install the M25 cable grommet to seal the unused bottom AC entry and preserve the IP rating.

6

Communication cable routing

Rear entry M20 x1

Bottom entry M20 x1

7

8

TT /TN

IT

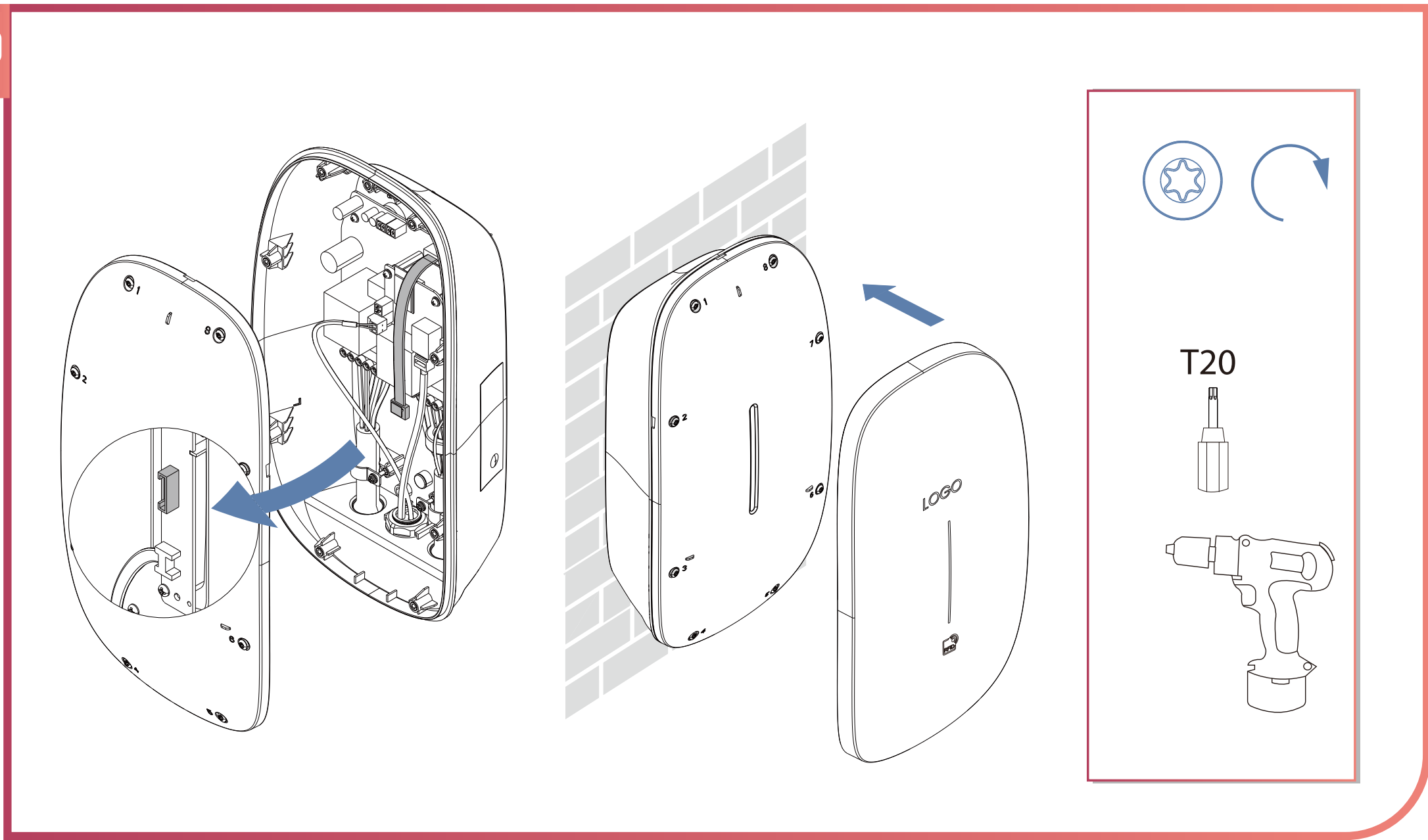
PE L1 L2 L3

Tools shown: PH2 screwdriver, power drill, and wire cutters.

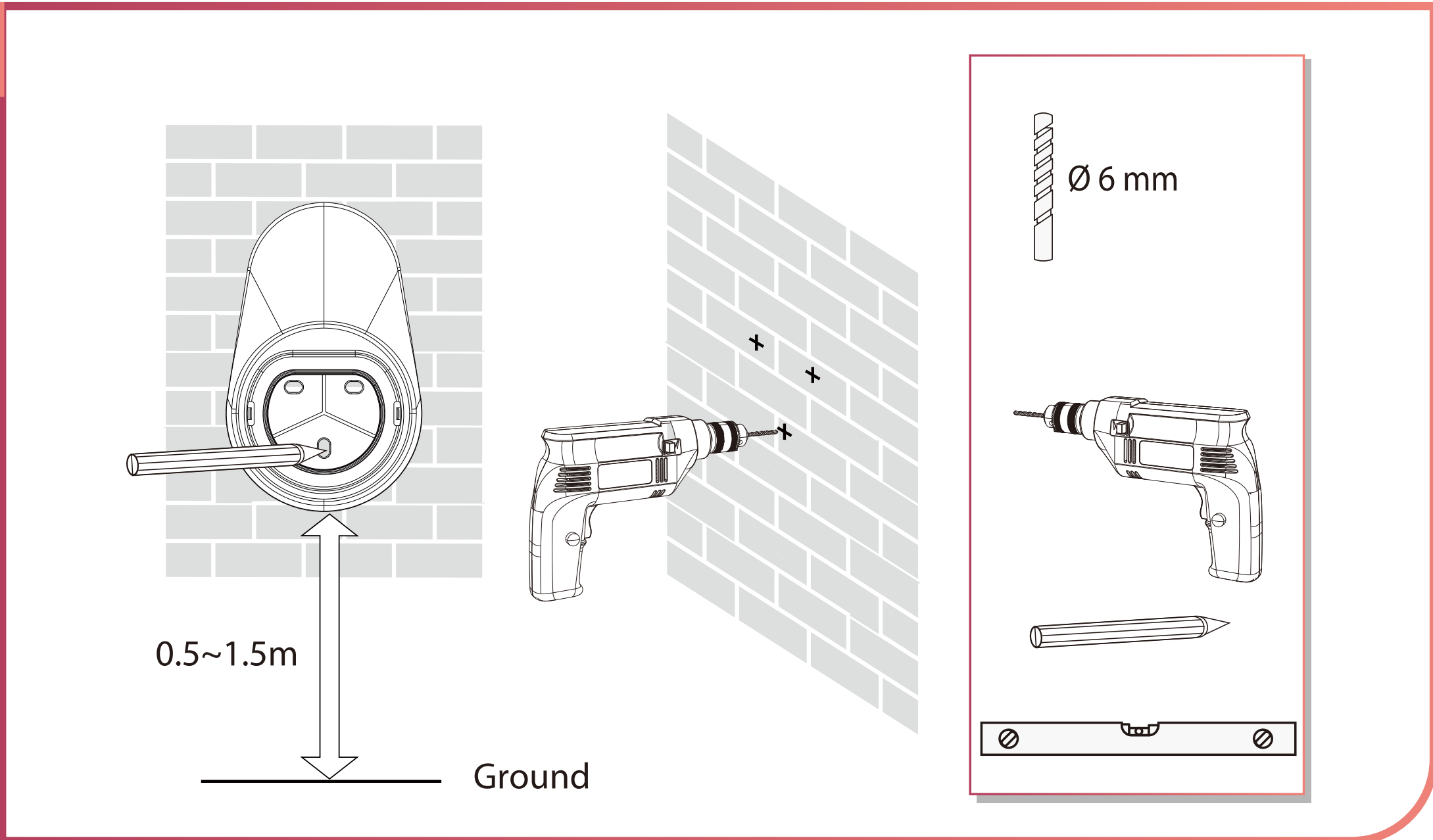
9

Ethernet

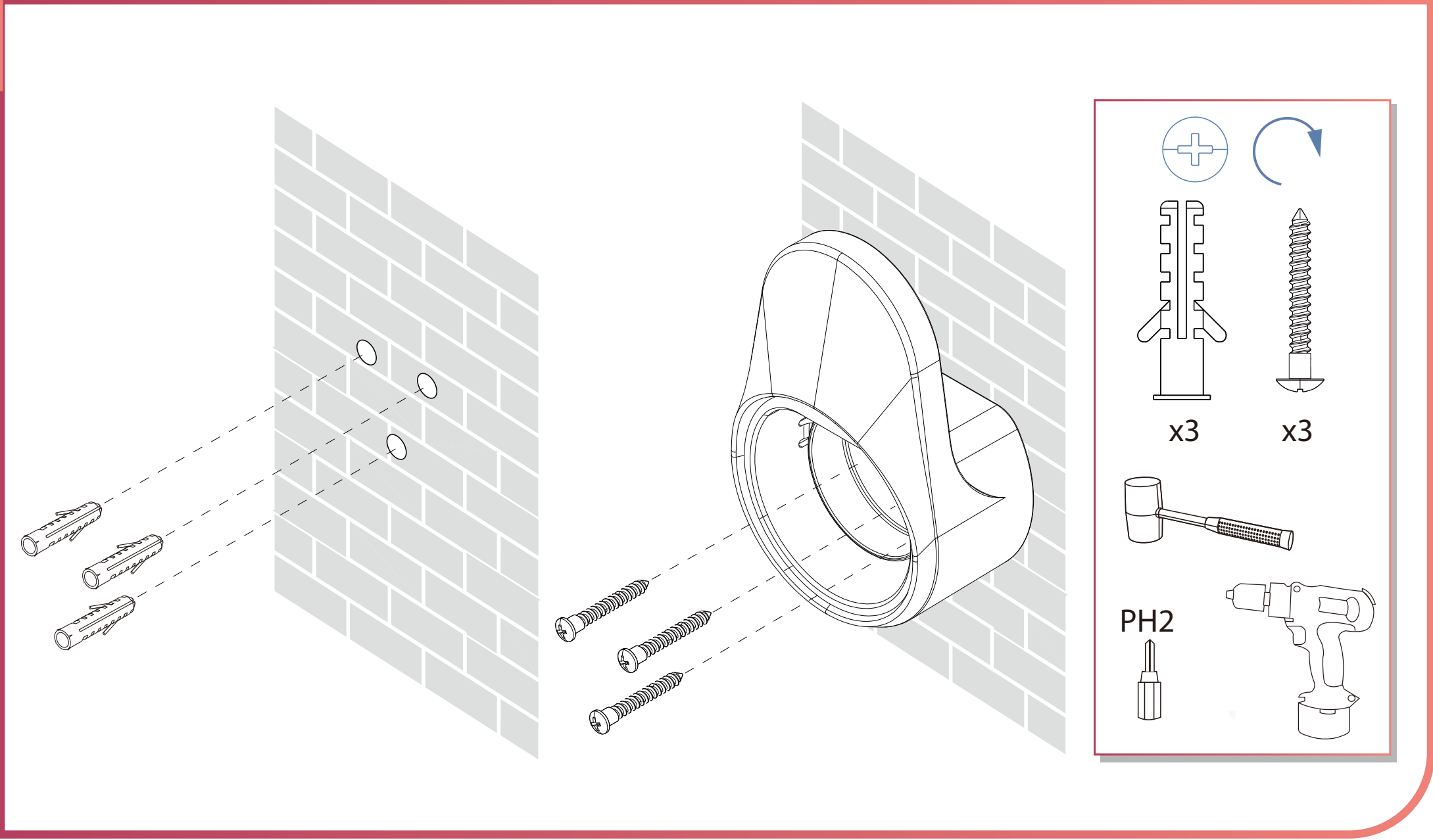
10



11

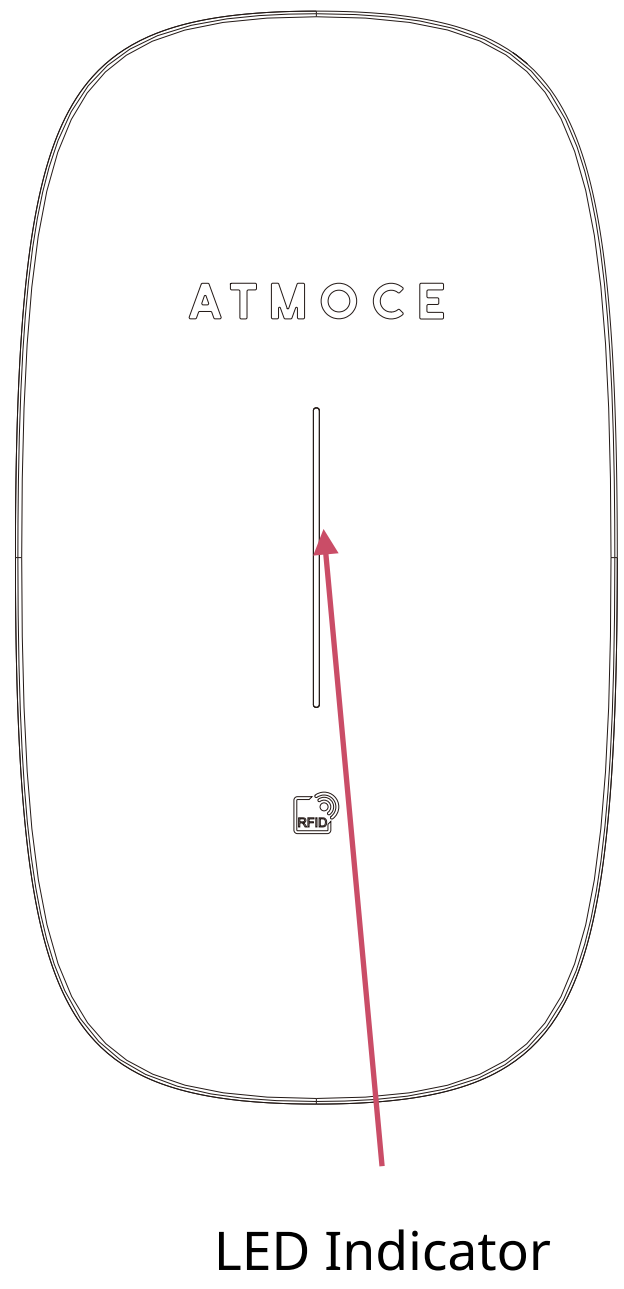


12



LED Indicator Description

The M-EV Charger has one LED and the following table describes its status.



Indicator color	Indicator status	Charger status
Green	Cycle: flash slowly (on for 1s then off for 3s)	Charger standby
	Cycle: Rapid flashing twice (on for 0.2s, then off for 1s), followed by a 3s off.	Charging initiated, awaiting vehicle response
	Cycle: Rapid flashing for 5 times (on for 0.2s, then off for 1s), followed by a 3s off.	Charging connector plugged in, ready for Charging
	Cycle: gradually brightens, then gradually dims (on for 1s, off for 1s)	Charging in progress
	Steady green	Charging complete
Yellow	Cycle: The green light is on for 1s, followed by the yellow light on for 1s, then off for 3s.	No Network/Not Connected to Server
	Cycle: Flashing: on for 4s, then off for 1s.	Bluetooth lock
	Cycle: Rapid flashing: on for 2s, then off for 2s.	Scheduled charging in Bluetooth mode
	Cycle: Rapid flashing for 5 times (on for 0.2s, then off for 1s), followed by a 3s off.	Insufficient Power Allocated, Pausing Charging
	Cycle: Rapid flashing: The indicator light is on for 0.1s, then off for 0.1s, with a maximum of 5 repetitions.	Card Identified Successfully
White	Rapid flashing: on for 2s, then off for 2s	Charger Reserved (Occupied)
	Steady yellow	Alarm
	Cycle: Rapid flashing (on for 0.2s, then off for 1s), this pattern repeats five times, followed by a 3s off.	Program is upgrading
	Cycle: Breathing light: Gradually brightens, then gradually dims (on for 1s, off for 1s)	Power-On Self-Test

Troubleshooting

Indicator color	Indicator status	Charger status
Red	Steady red	Relay adhesion
	Cycle: on for 0.5s, then off for 0.5s once, followed by 3s off.	Leakage current fault
	Cycle: on for 0.5s, then off for 0.5s, twice; followed by 3s off.	CP fault
	Cycle: on for 0.5s, then off for 0.5s, 3 times; followed by 3s off.	Overcurrent fault
	Cycle: on for 0.5s, then off for 0.5s, 4 times; followed by 3s off.	Reverse polarity fault
	Cycle: on for 0.5s, then off for 0.5s, 5 times; followed by 3s off.	Leakage current loop anomaly (self-check)
	Cycle: on for 0.5s, then off for 0.5s, 6 times; followed by 3s off.	Input terminal overheat fault
	Cycle: on for 0.5s, then off for 0.5s, 7 times; followed by 3s off.	Relay Overheat
	Cycle: on for 0.5s, then off for 0.5s, 9 times; followed by 3s off.	Output voltage fault
Red + Yellow	Cycle: yellow on for 2s, followed by the red flashing once (on for 0.5s, off for 0.5s), then 3s off.	Over/under voltage
	Cycle: yellow on for 2s, followed by the red flashing twice (on for 0.5s, off for 0.5s), then 3s off.	Over/under frequency
	Yellow on for 2s, followed by the red flashing 4 times (on for 0.5s, off for 0.5s), then 3s off.	Smart meter communication failure
	Yellow on for 2s, followed by the red flashing 5 times (on for 0.5s, off for 0.5s), then 3s off.	Current transformer (CT) anomaly
	Yellow on for 2s, followed by the red flashing 6 times (on for 0.5s, off for 0.5s), then 3s off.	Charging connector lock anomaly
	Yellow on for 2s, followed by the red flashing 7 times (on for 0.5s, off for 0.5s), then 3s off.	Charging connector current anomaly
White	Cycle: flash twice (on for 0.2s and off for 1s for) then off for 5s	BOOT security verification failed or security chip is malfunctioning
	Steady white	The charger in a disabled state

Commissioning

Commissioning via mobile App

- a. Install the ATMOZEN App on a smartphone.
- b. Configure the charger and transfer the ownership to the user.
- c. Users can log in and manage charging sessions directly from the App.