



SUPERIOR IN EVERY WAY.

Slimmer. Stronger. Faster.

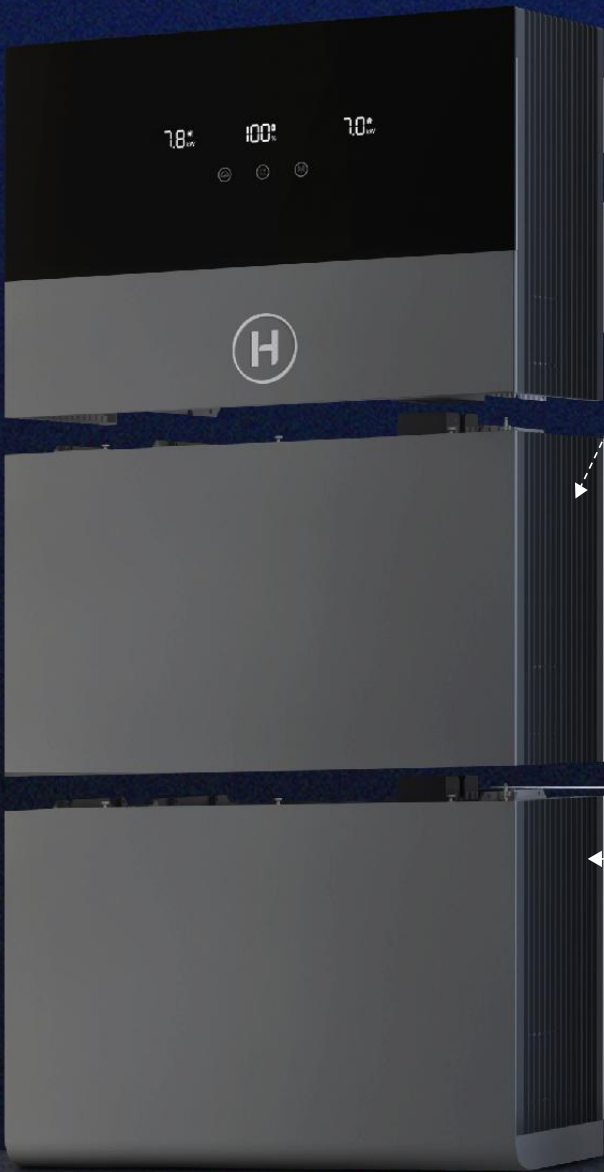
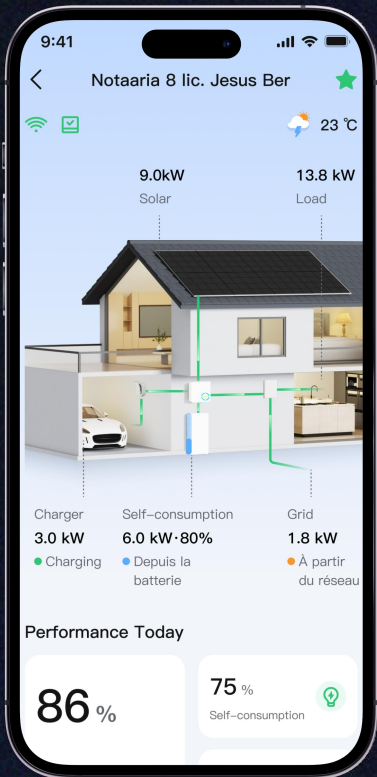
Hoymiles All-in-One BESS

Specs

Inverter+EMS

4	20A
MPPT number	Max. input current
2.0	100%
DC/AC ratio	Unbalanced load
EMS	170V
Integrated	Start-up voltage

App



V2X

*Coming soon in 2026Q2

Gateway

0ms
Off-grid switch

Multi-source supply
PV | Storage | Grid | Diesel Genset | EV Charger

Whole-home backup
Tiered backup

Battery

314Ah
Battery cells

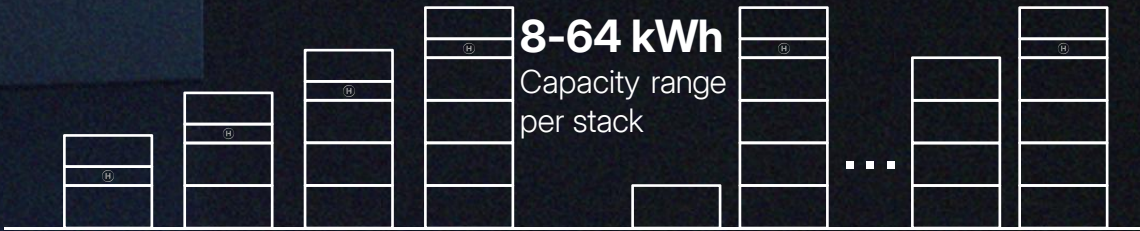
6-layer
Safety mechanism

100%
DOD

Cell-level
Data monitoring

8000+
Life cycles

Built-in DC-DC
seamless use of
new and old batteries



Highlights

Slimmer

20%

Smaller Footprint

67kg

Lightest Battery Module



Faster

5min

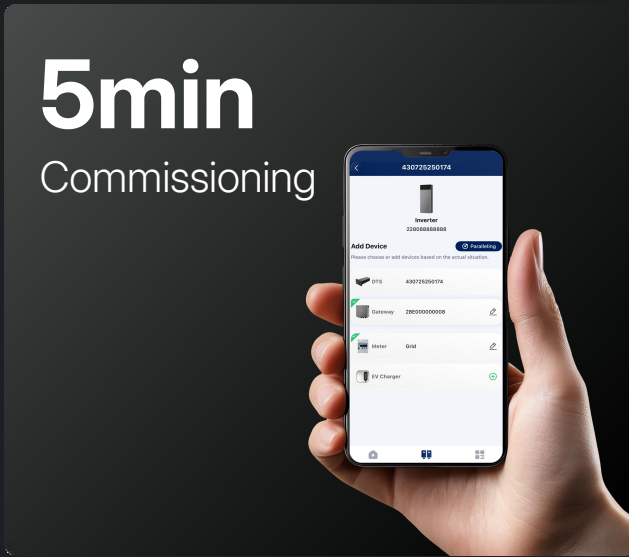
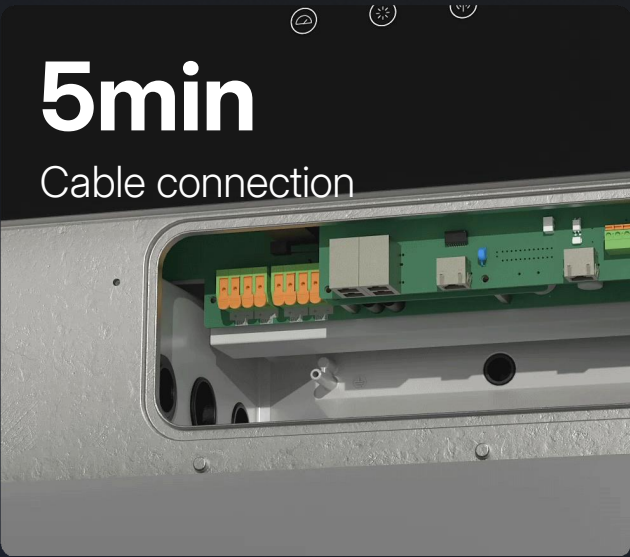
Plug-and-Play Installation

5min

Cable connection

5min

Commissioning



Stronger

4MPPTs

Independent power tracking

20A

Max. input current

64kWh

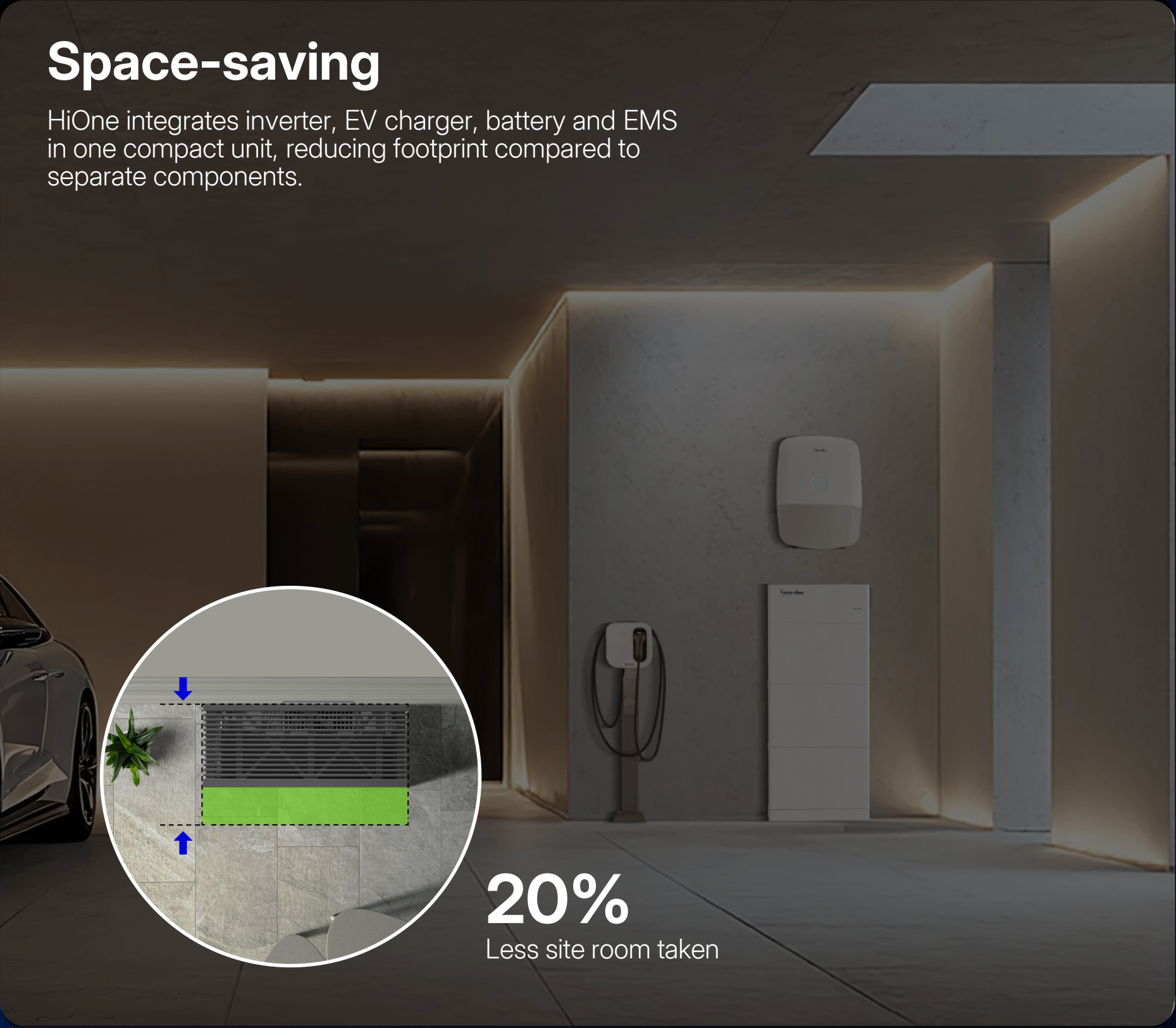
Max. single unit capacity



Designed for Ease

Space-saving

HiOne integrates inverter, EV charger, battery and EMS in one compact unit, reducing footprint compared to separate components.



20%

Less site room taken

Easy to lift

Easy for installers to carry, lift, and position — saving time and effort on every installation.

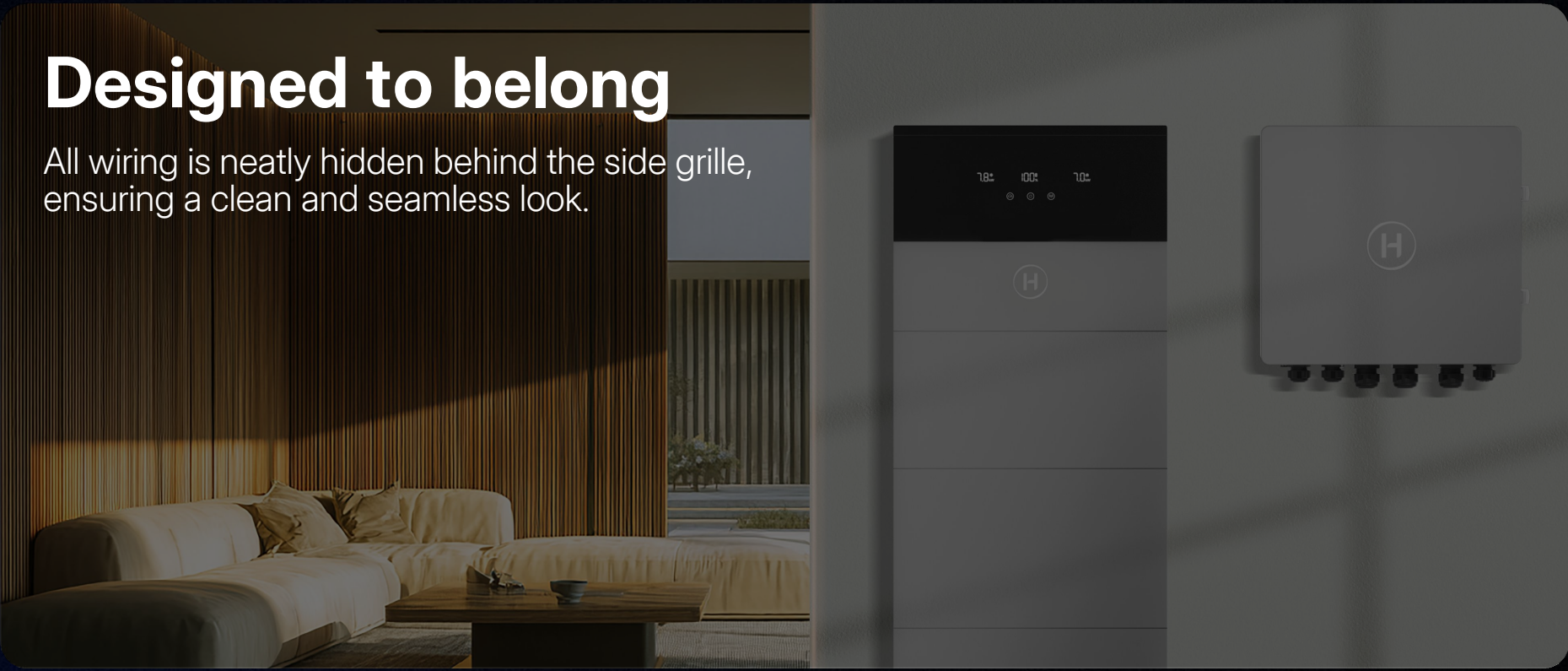


67kg

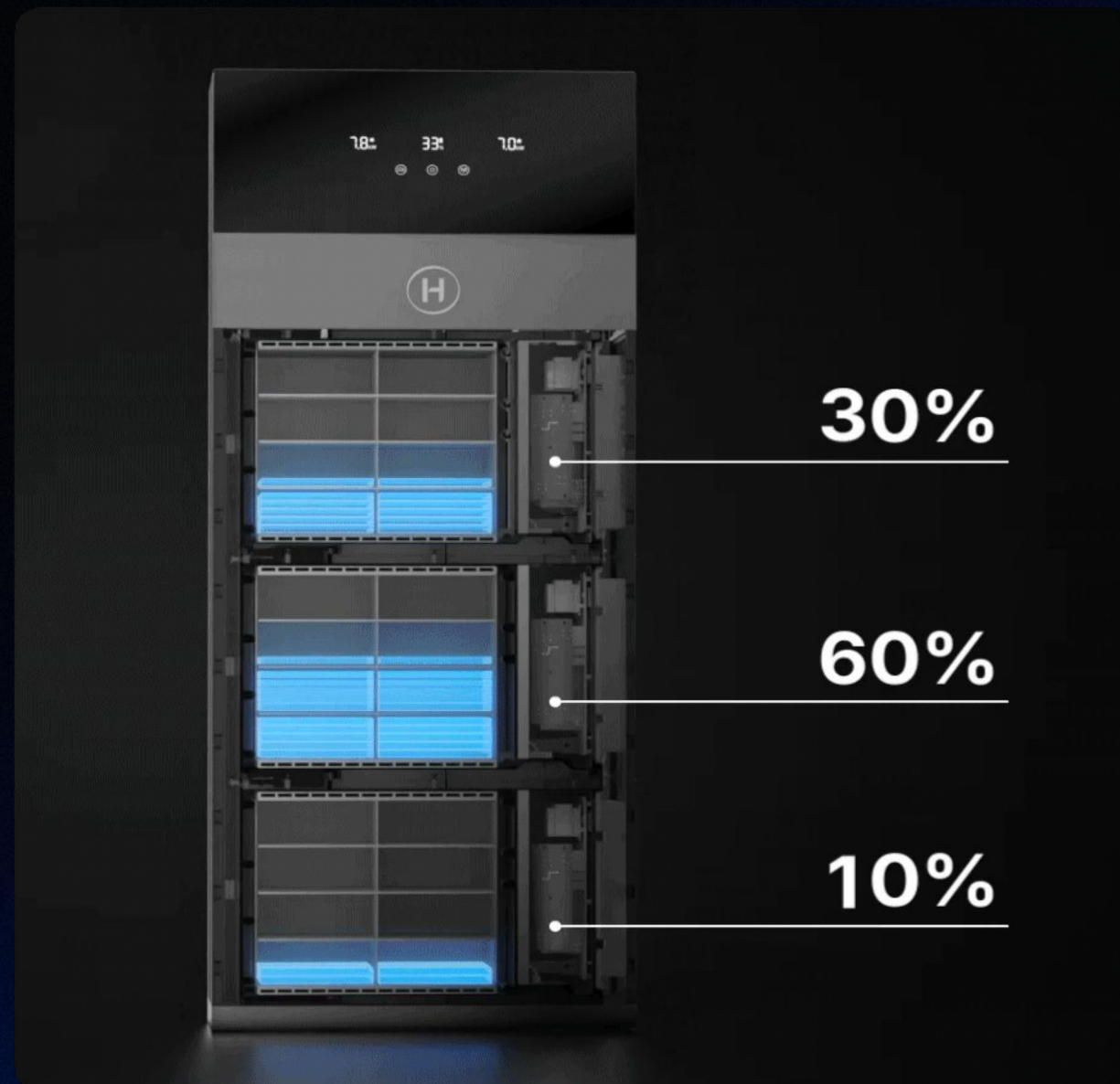
Lightest weight of battery

Designed to belong

All wiring is neatly hidden behind the side grille, ensuring a clean and seamless look.

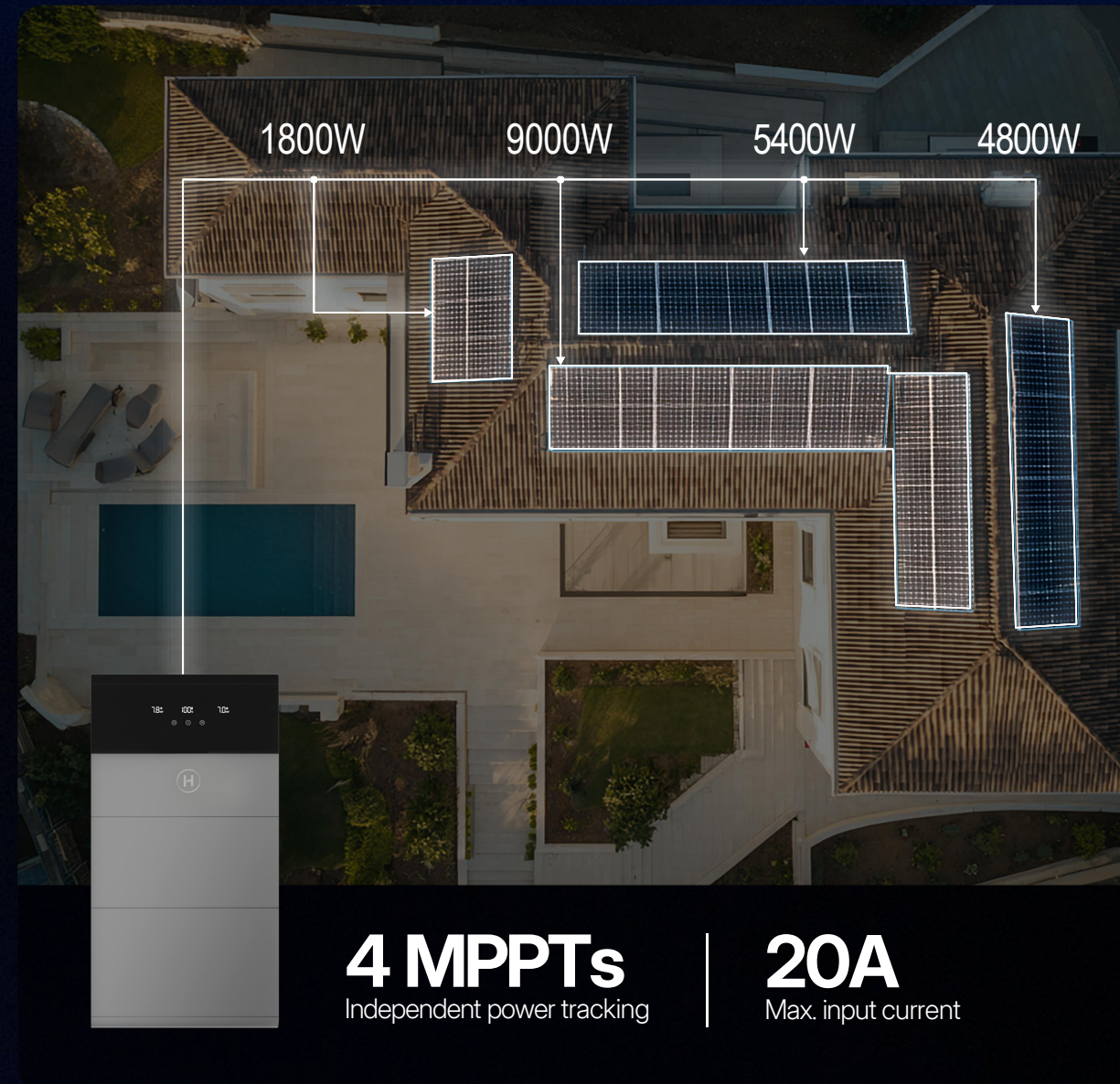


All-Scenario Adaptation



Mix without limits

Expand capacity anytime without performance degradation with built-in parallel DC-DC.



Adapt to any roof

Supports multiple orientations for flexible system design with peak performance.



Scale up anytime

Featuring a modular design, the system capacity is easily scalable, perfect for residential and C&I applications.

Rapid 15-Minute Installation

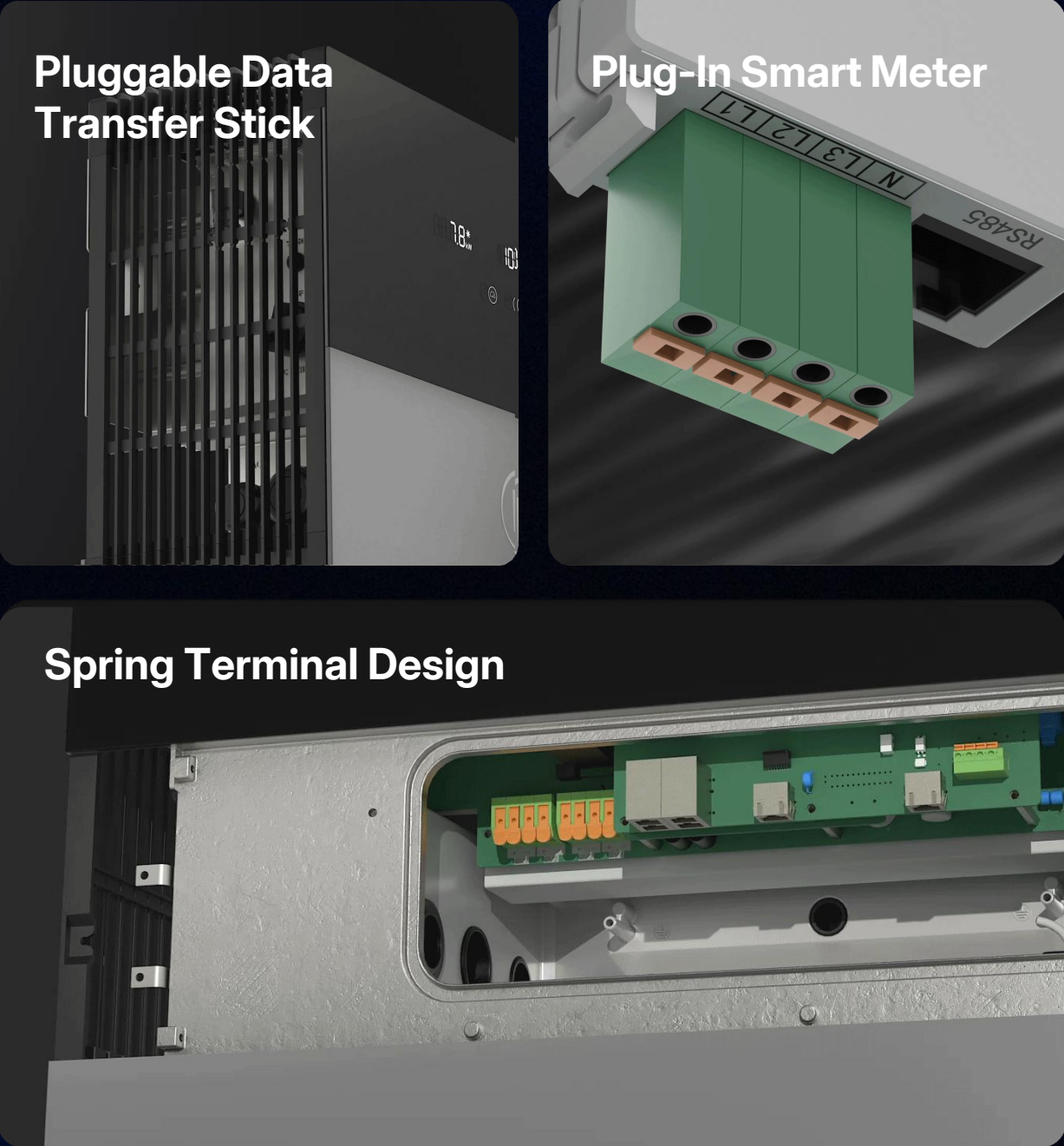
5 mins pack connection

Cable-free design allows for tool-less stacking. Simply align and stack modules without internal wiring.



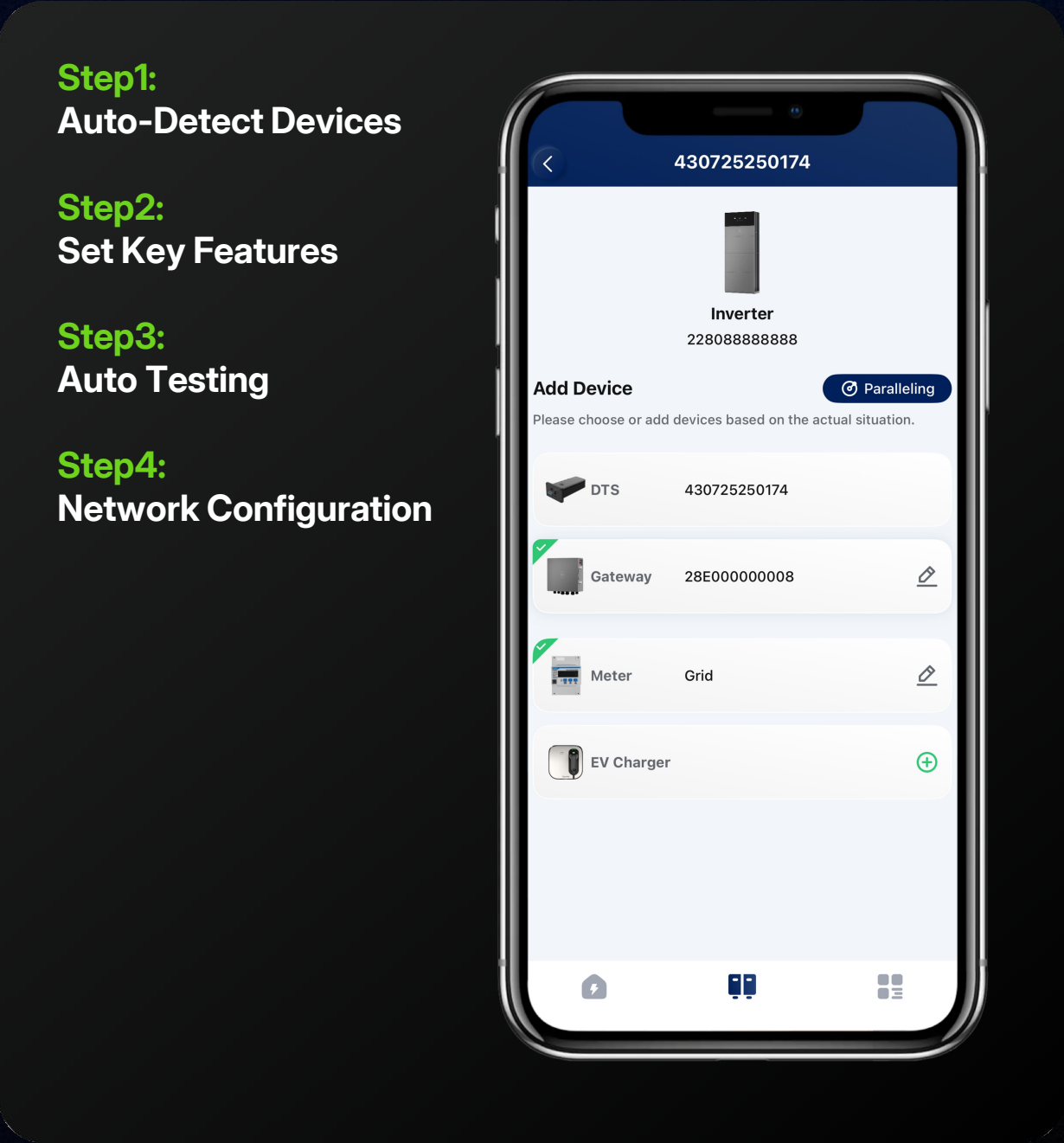
5 mins cable connection

Features spring terminals and pluggable accessories, no screwdriver needed.



5 mins smart commissioning

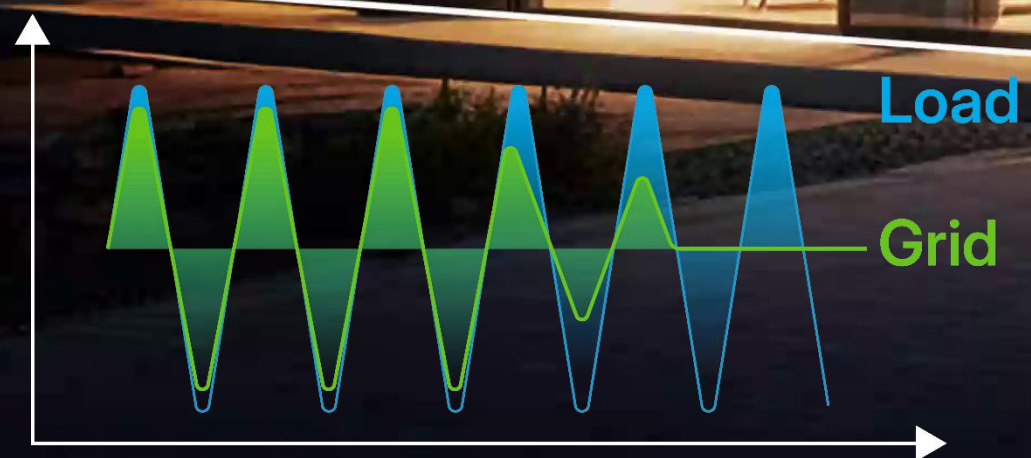
Auto-networking with one-click self-test. The App guides you through configuration in seconds.



Always On. Zero Outage.

Instant backup means your fridge keeps humming and lights never flicker. You won't even notice the power went out.

0ms
Backup Transition



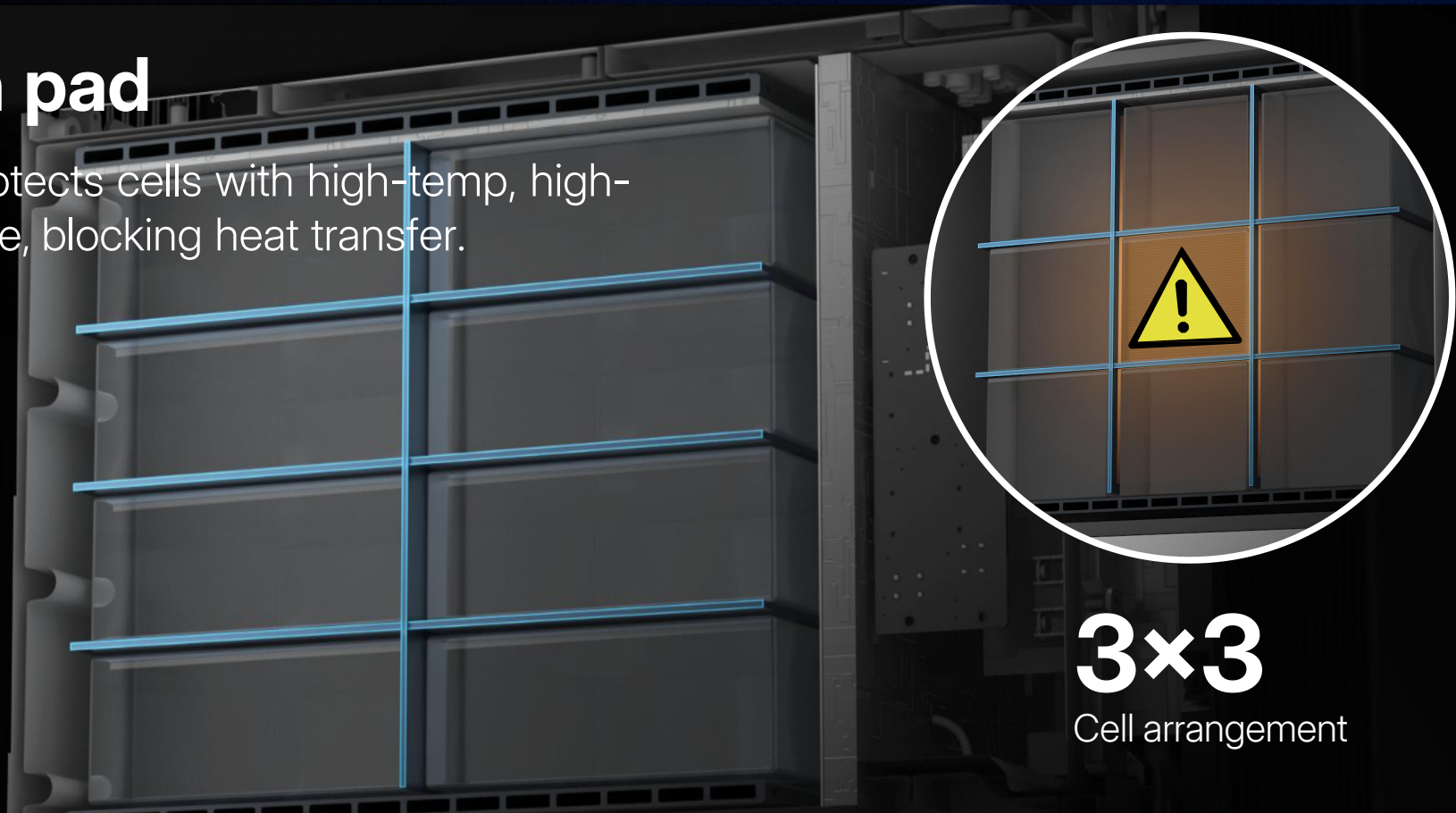
5-Layer Battery Protection

Insulation pad

External layer protects cells with high-temp, high-voltage resistance, blocking heat transfer.

2×4

Cell arrangement



3×3

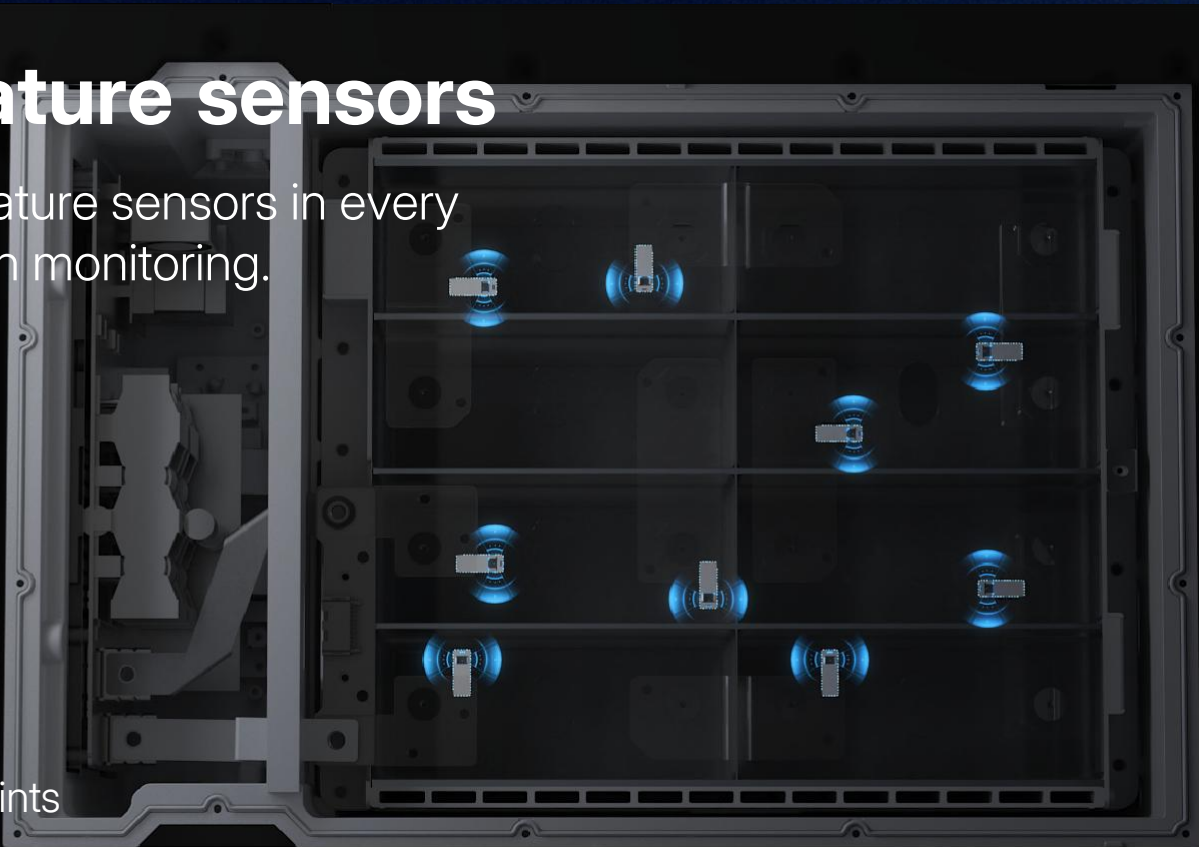
Cell arrangement

Temperature sensors

Built-in temperature sensors in every cell for precision monitoring.

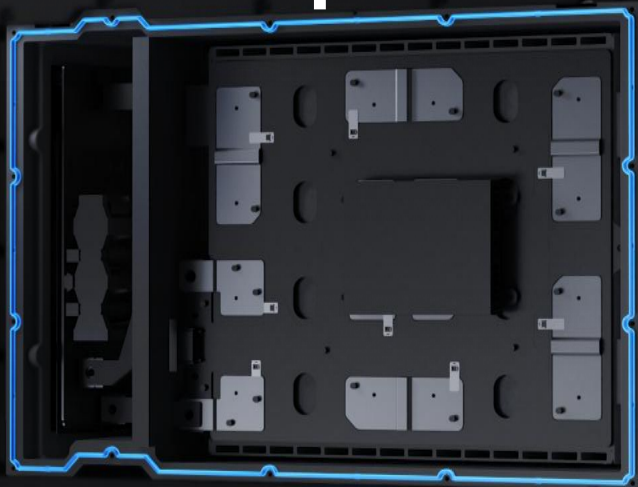
8

Cell monitoring points



Aerogel insulation pads

Foam and ceramic aerogel between cells for superior thermal insulation.



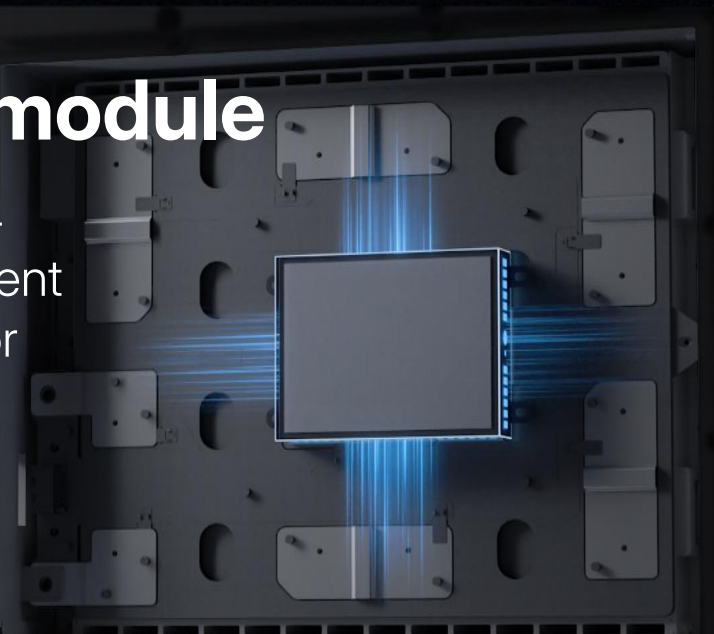
Pressure relief valve

Rapid gas release when pack pressure builds up.



Fire safety module

Fire suppression in 4 seconds – independent module protection for every pack.



Smart Energy Management

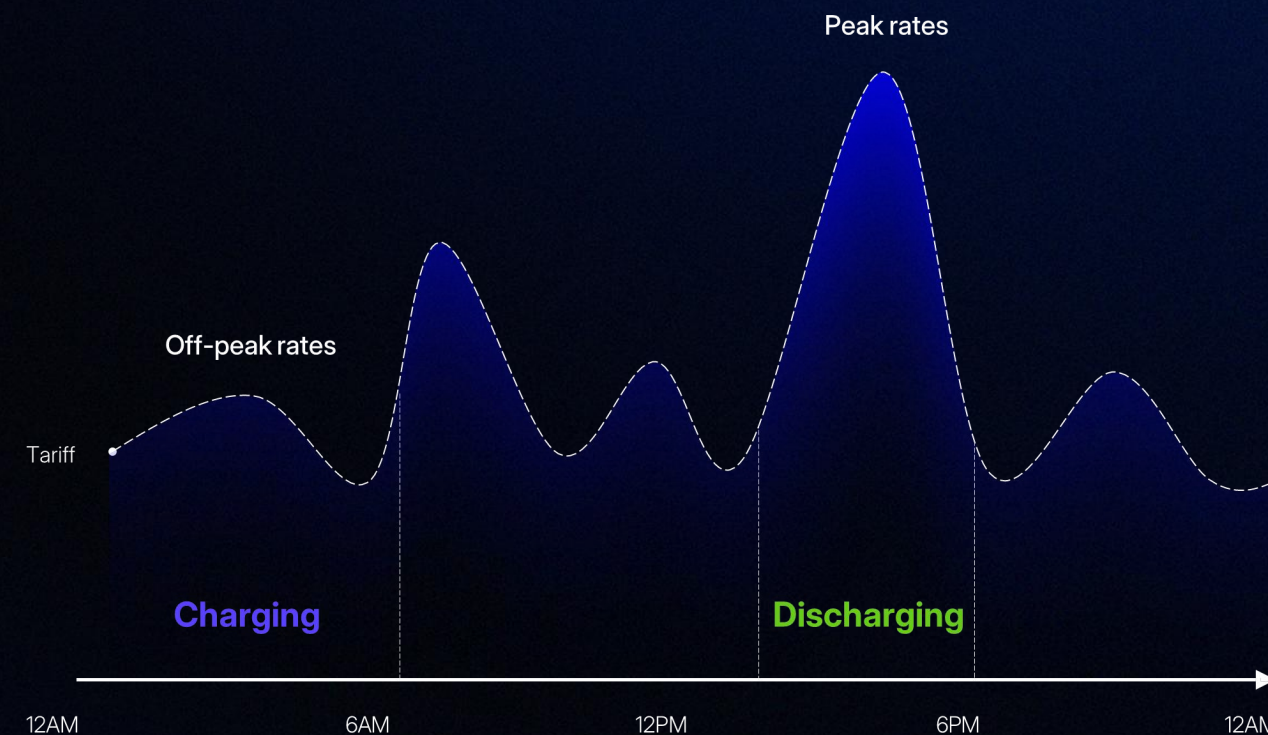
VPP Ready
Support dynamic tariff

8-segment TOU

Users can customize EMS more flexibly to obtain higher economic benefits. In this mode, the export priority of PV energy is: 1 Load, 2 Battery, 3 Grid.

Daily setup

According to dynamic tariff

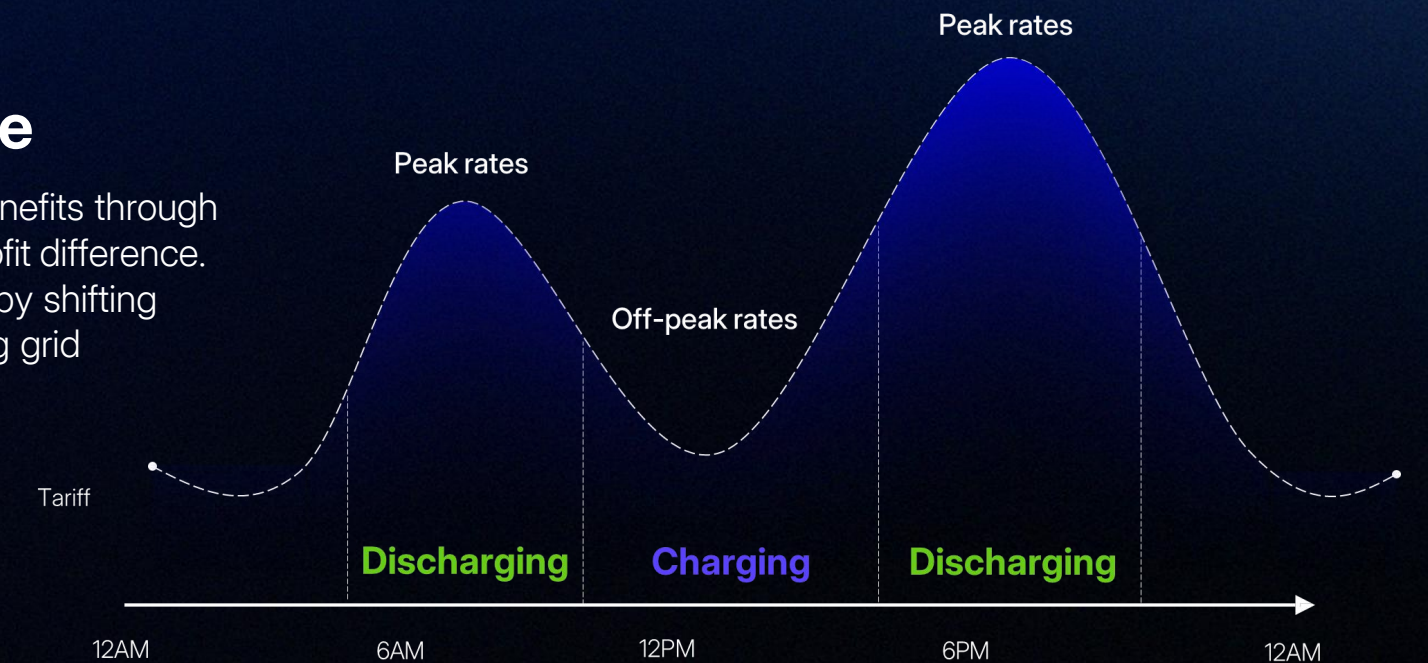


Economic mode

Help users obtain higher benefits through peak-valley power price profit difference. Maximize electricity saving by shifting battery usage to avoid using grid electricity at peak hours.

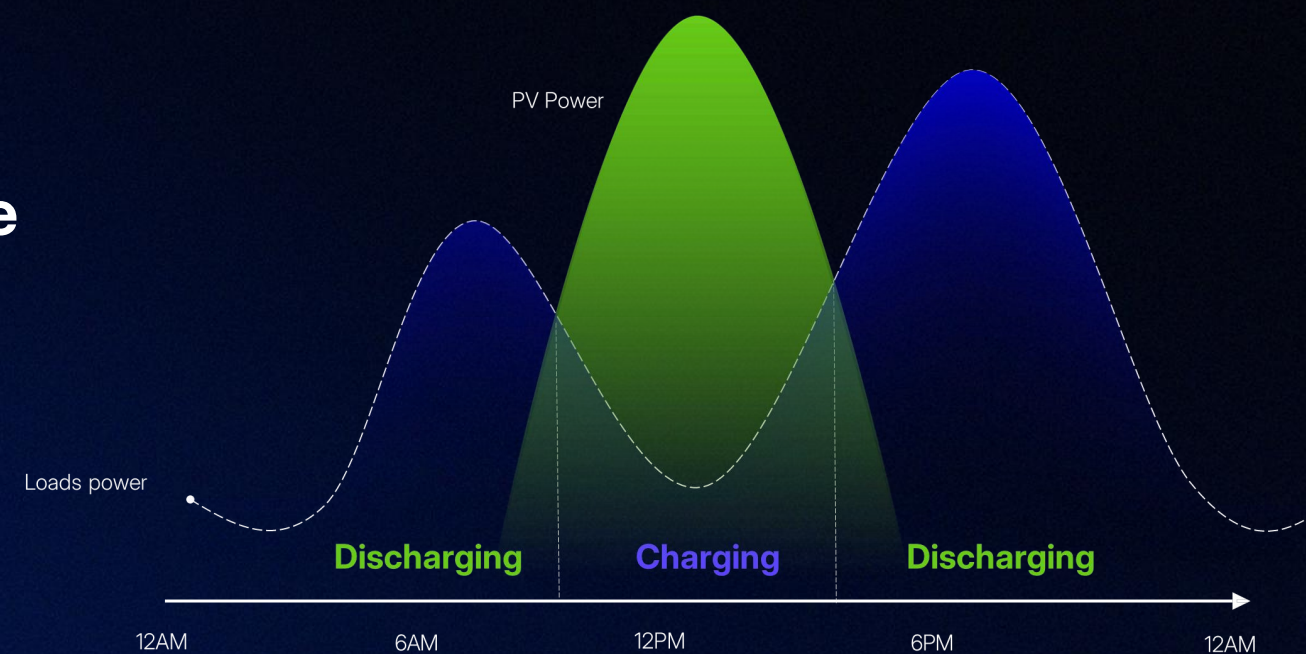
Annually set up

Can be cycled according to a fixed configuration



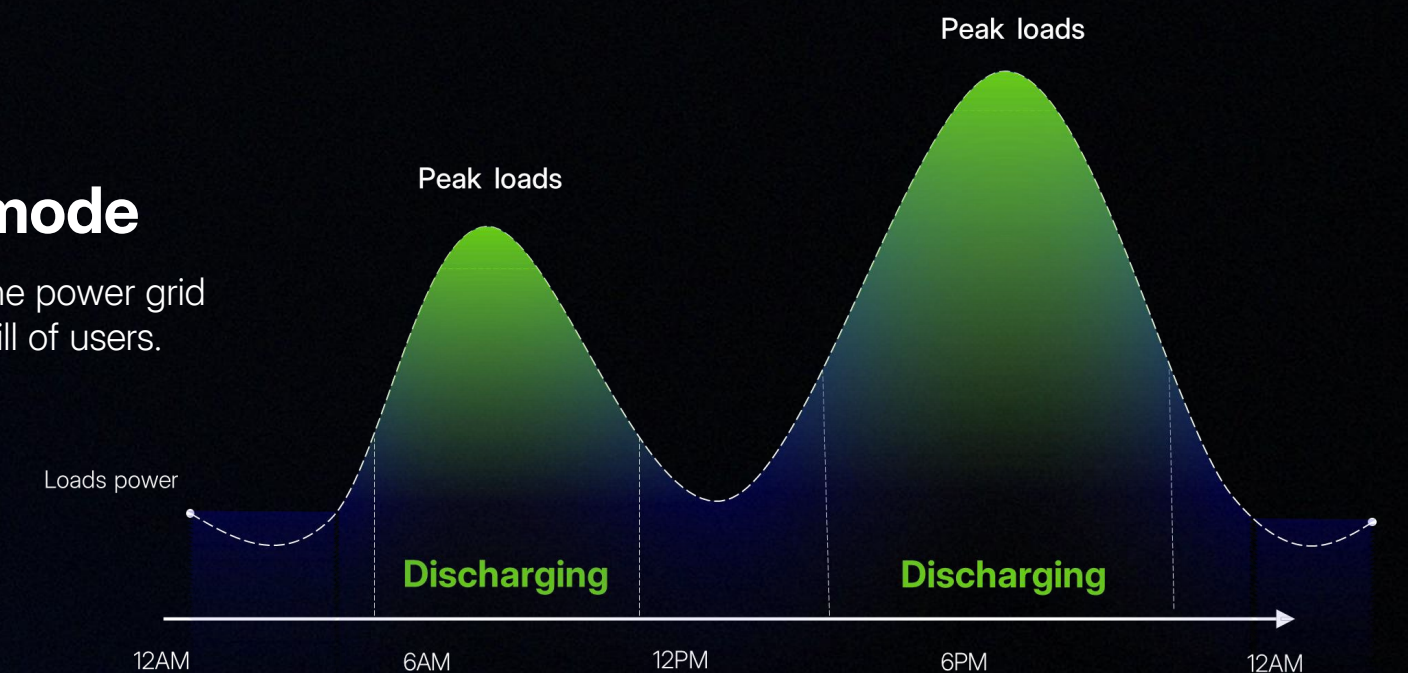
Self-consumption mode

Full utilization of PV energy. Minimize the use of grid electricity, solar energy is preferentially supplied to the load, then charged to battery, and last fed to grid.



Peak shaving mode

Maintain the power from the power grid and reduce the electricity bill of users.

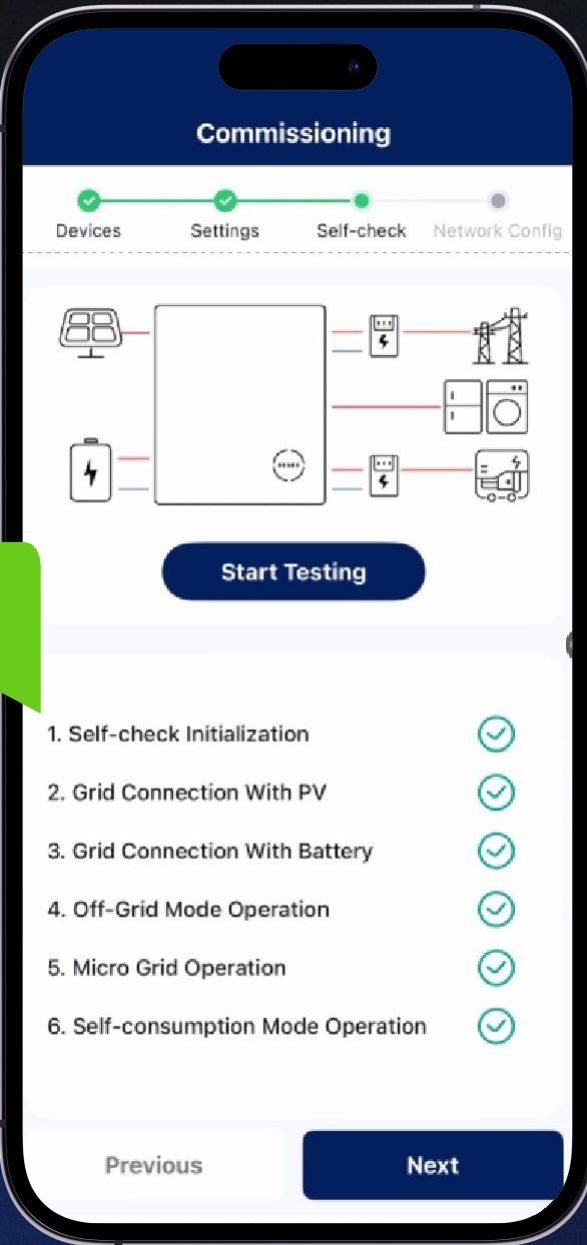


Simplify Maintenance

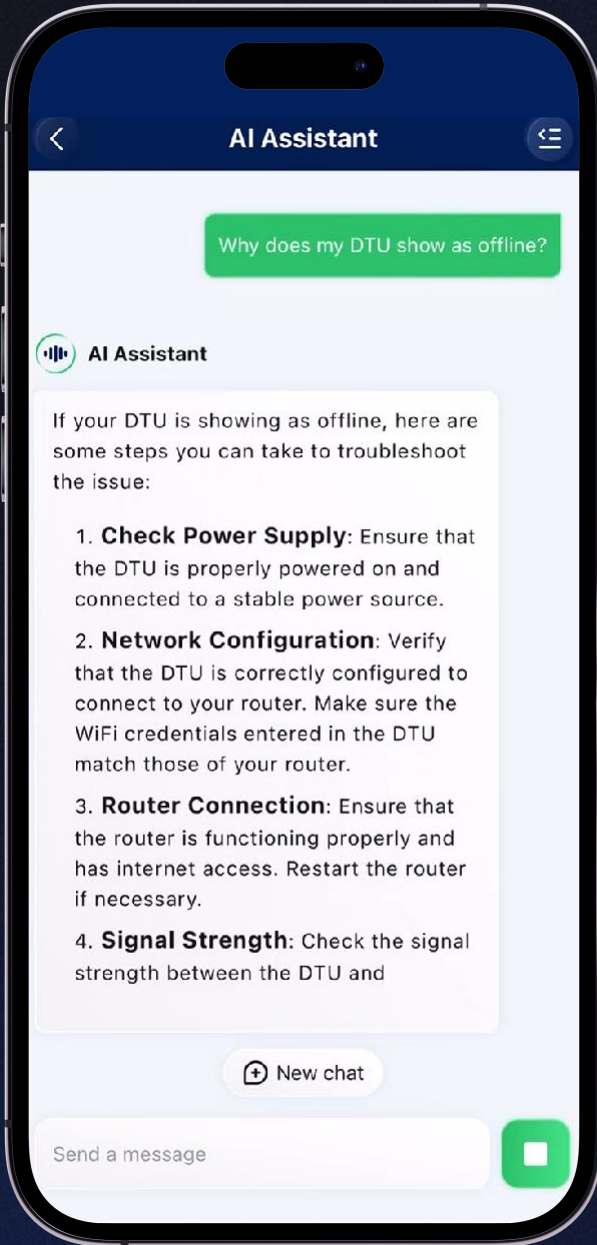
Smart Management

Simplify commissioning with automated troubleshooting. From CT correction to maintenance, let AI handle the complexity.

One-Click Self-Diagnosis



Your Pocket AI Agent



90%

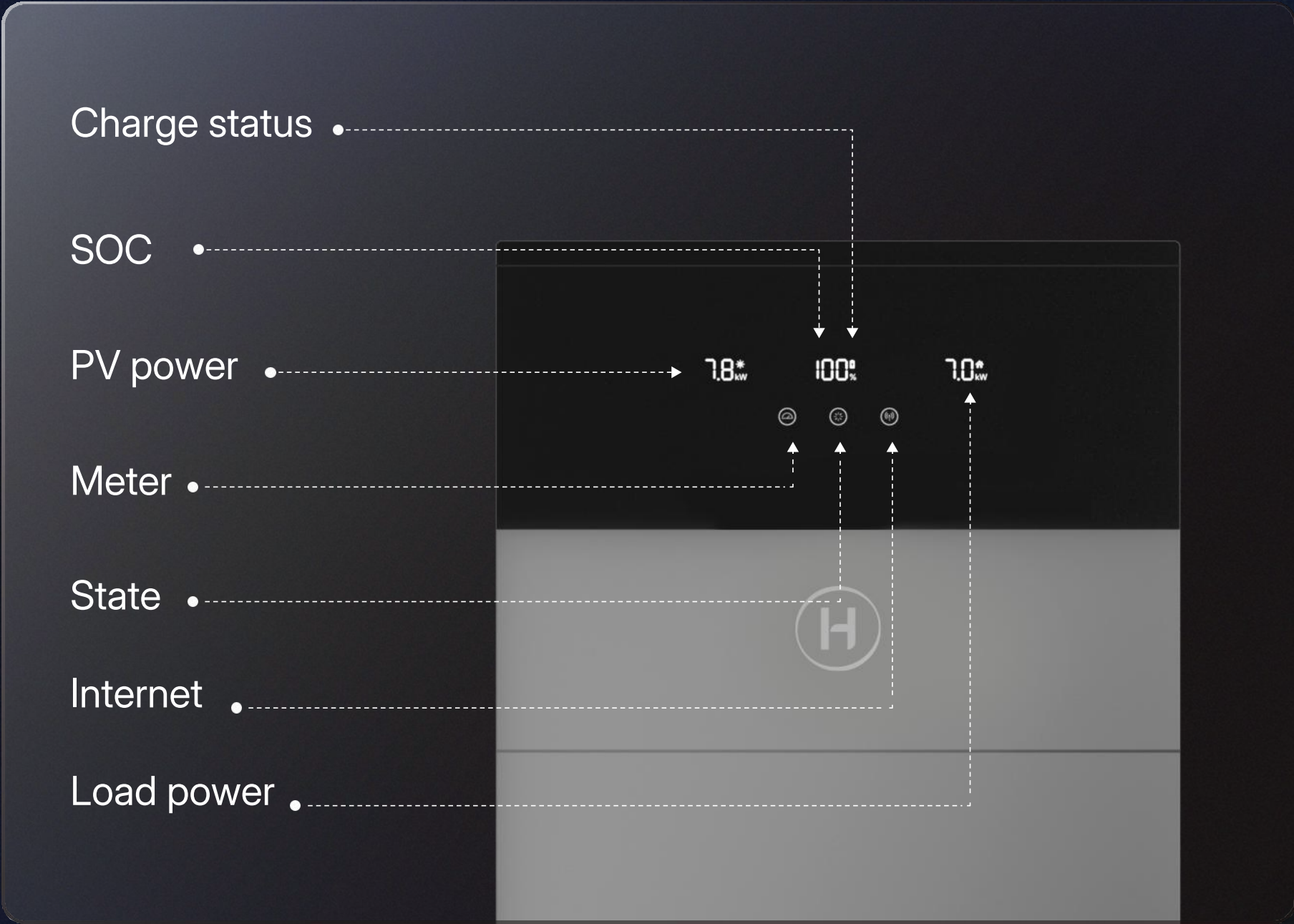
Fault detection

Smart CT
Auto-Correction

截图替换

Real-Time Data at a Glance

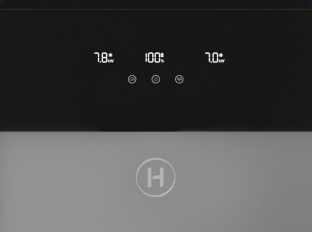
Stay informed instantly. The dynamic LED display brings invisible energy flows to life, right on the device surface.



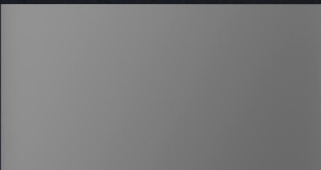
Solution Overview

Single Unit

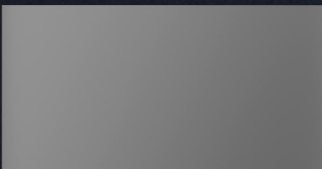
One-stop solution



Inverter module



Battery module



V2X module (optional)



DTS-WL



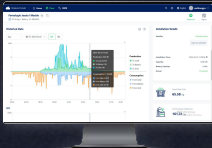
Smart Meter



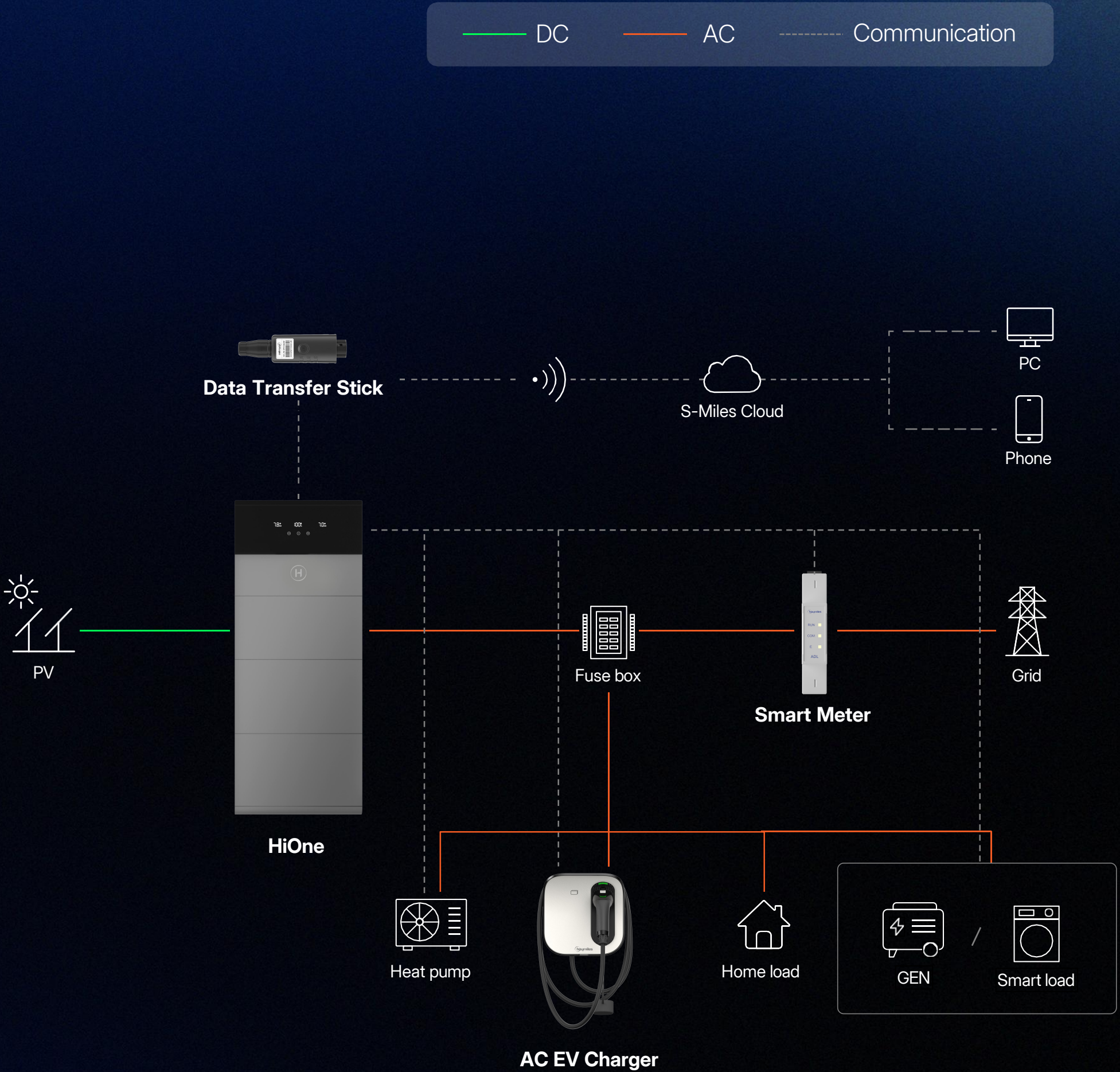
User App



Installer App



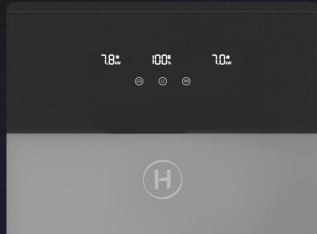
O&M Web



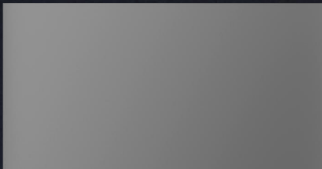
Solution Overview

Whole home backup

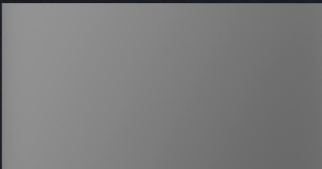
One-stop solution



Inverter module



Battery module



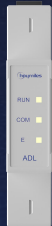
V2X module (optional)



Gateway



DTS-WL



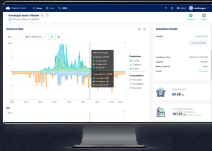
Smart Meter



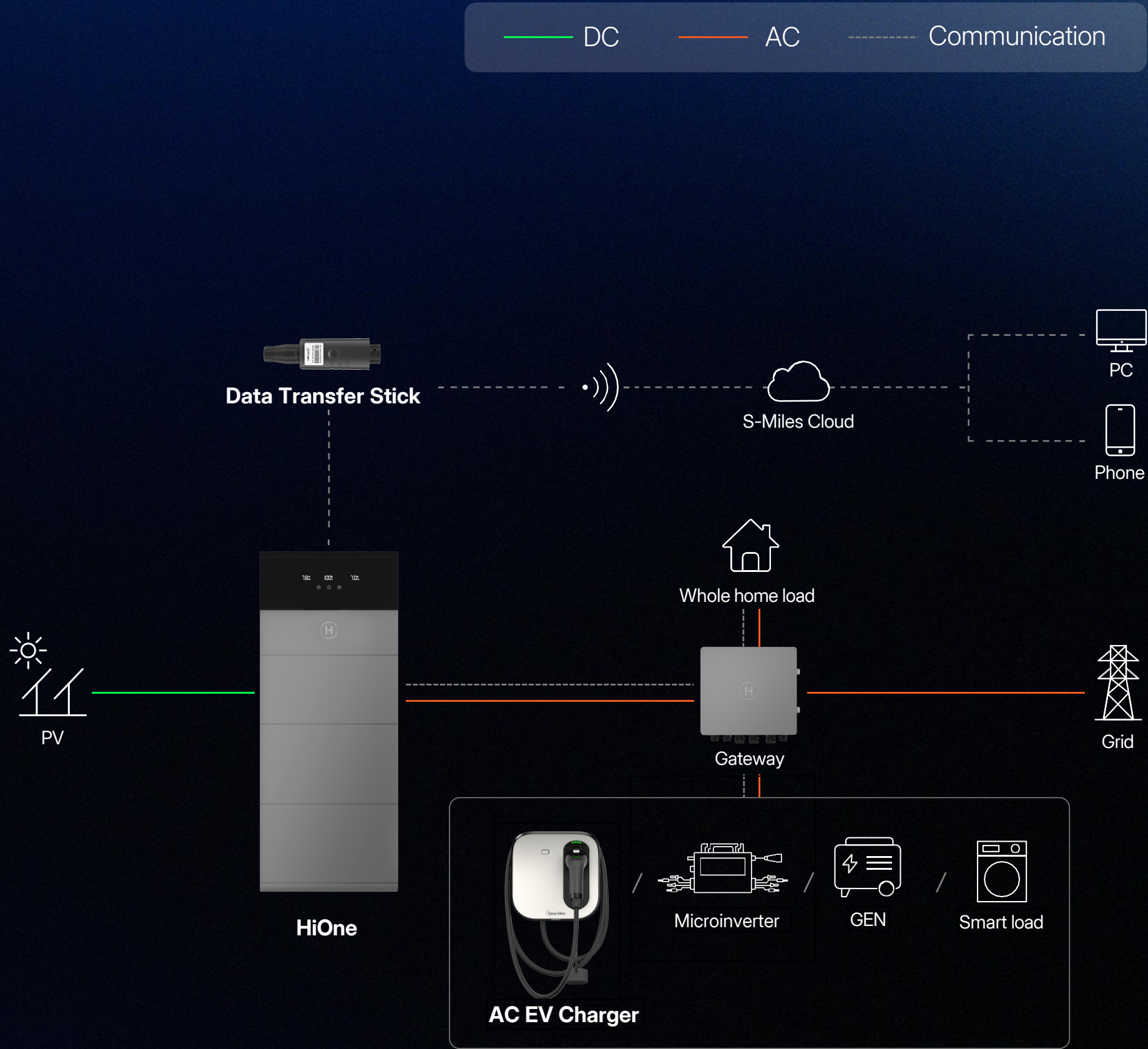
User App



Installer App



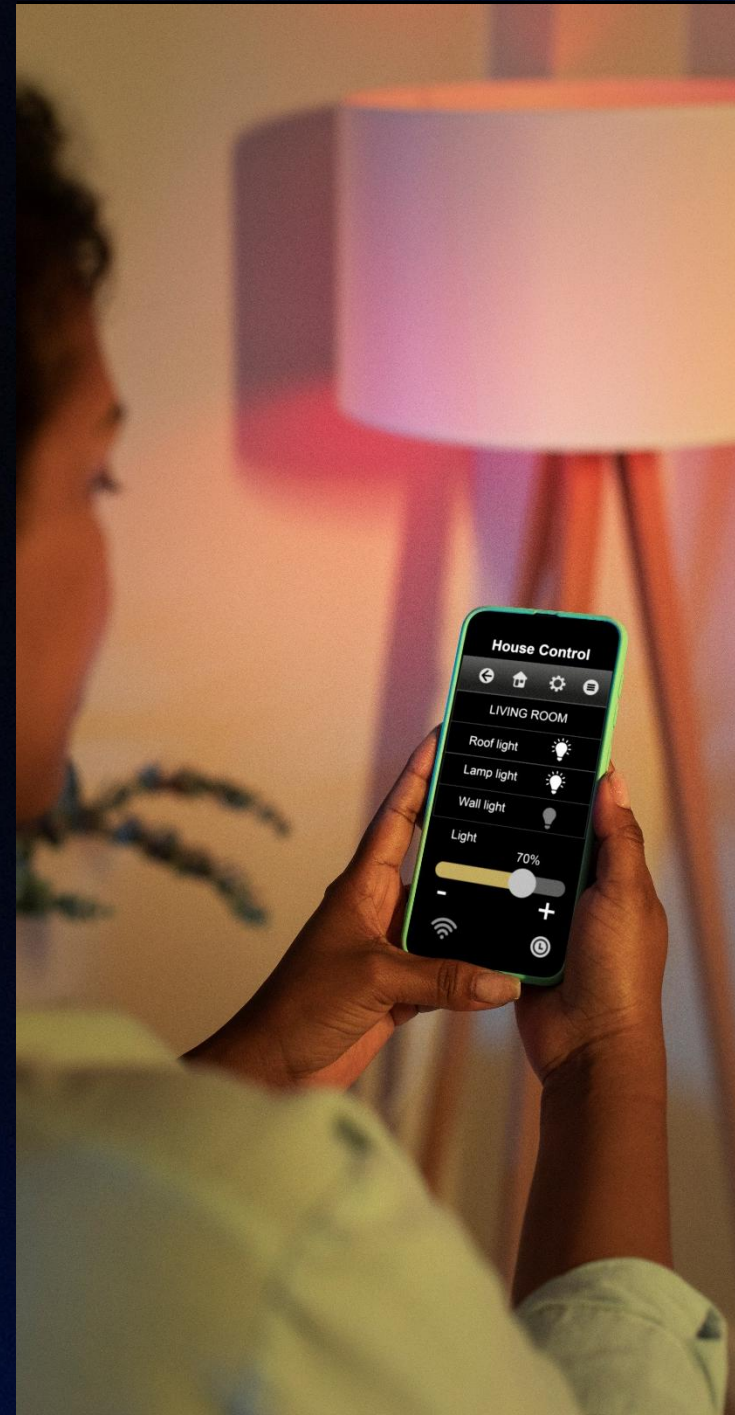
O&M Web



All You Need, All in HiOne



Hassle-free



Intelligent



One-stop



Next-level



Efficient



THANK YOU

