
Hoymiles
SUPERIOR IN EVERY WAY.
Slimmer. Stronger. Faster.
Hoymiles All-in-One BESS

Specs

Inverter+EMS

4 MPPT number	**18A** Max. input current
2.0 DC/AC ratio	**160A** LRA (Load Start Capability)
EMS Integrated	**70V** Start-up voltage

App



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



25%
Less Space Roon Taken

67kg
Lightest Battery Module

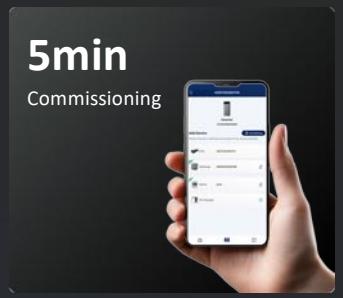
Faster



5min
Plug-and-Play Installation



5min
Cable connection



5min
Commissioning

Stronger



4MPPTs
Independent power tracking

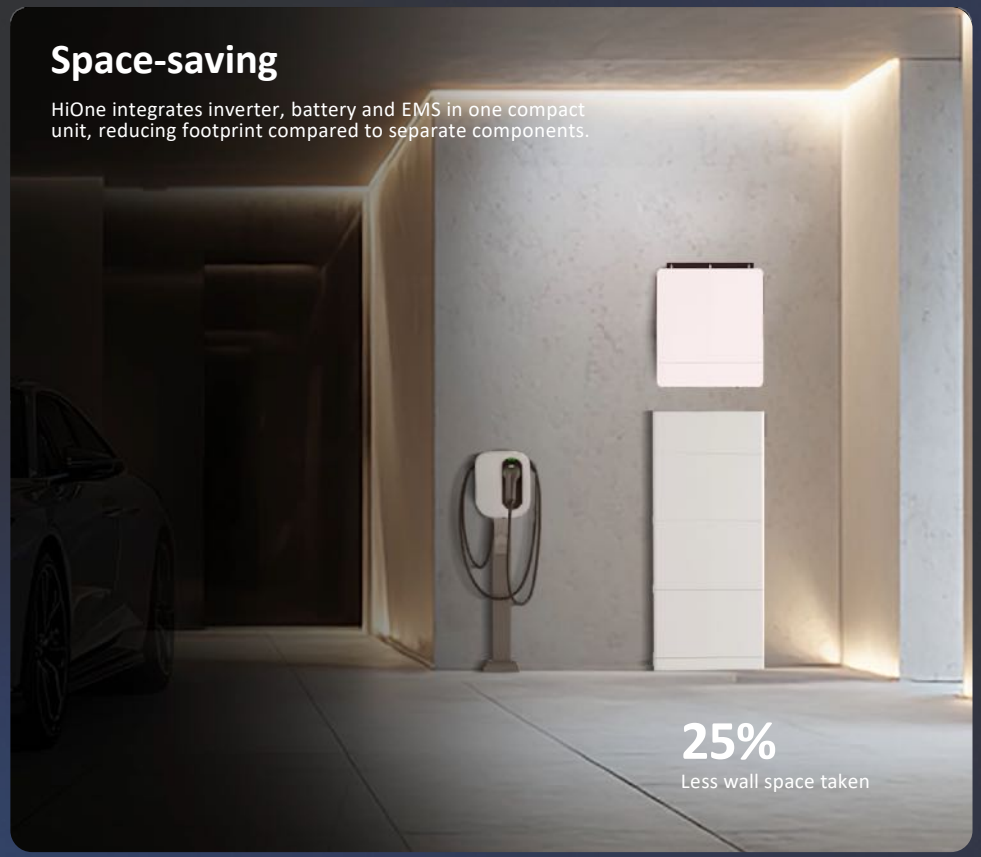
18A
Max. input current

64kWh
Max. single unit capacity

Designed for Ease

Space-saving

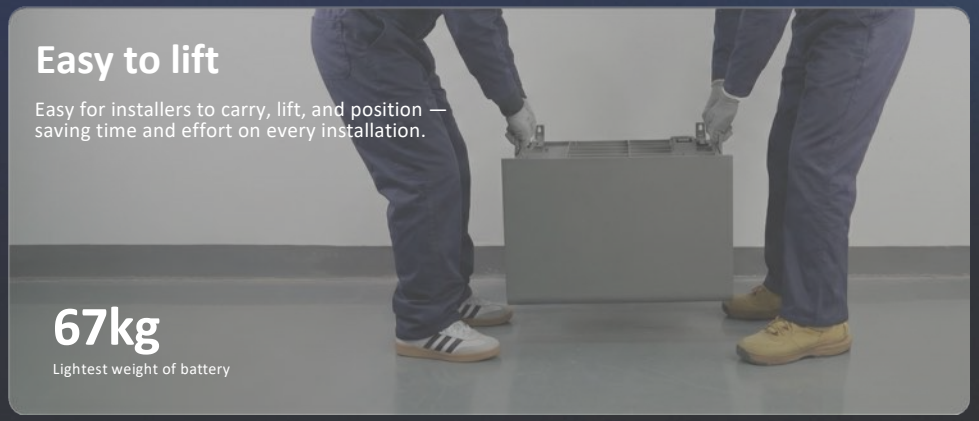
HiOne integrates inverter, battery and EMS in one compact unit, reducing footprint compared to separate components.



25%
Less wall space taken

Easy to lift

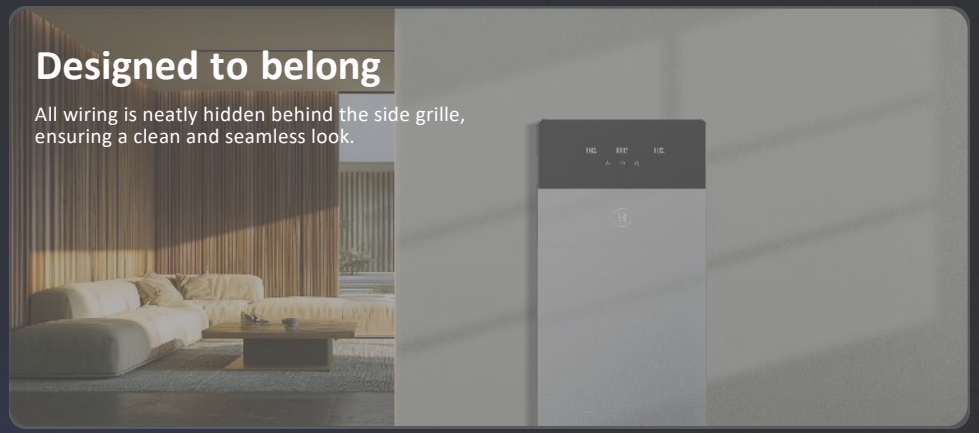
Easy for installers to carry, lift, and position — saving time and effort on every installation.



67kg
Lightest weight of battery

Designed to belong

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

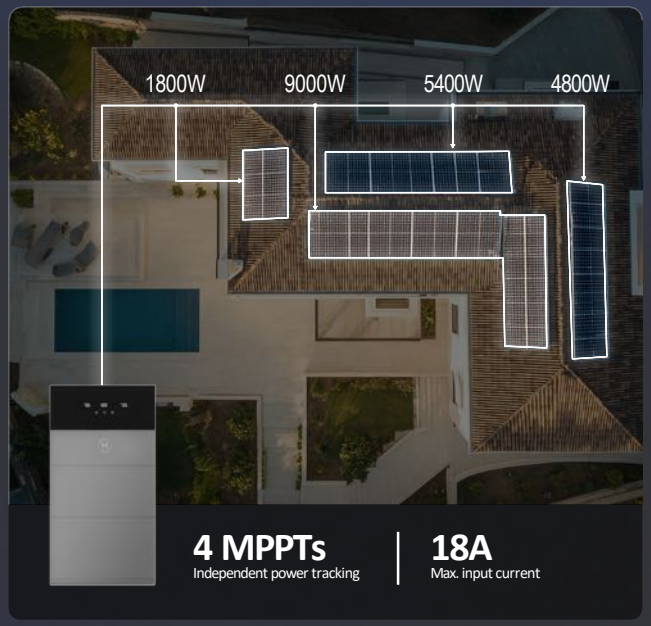


All-Scenario Adaptation



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.



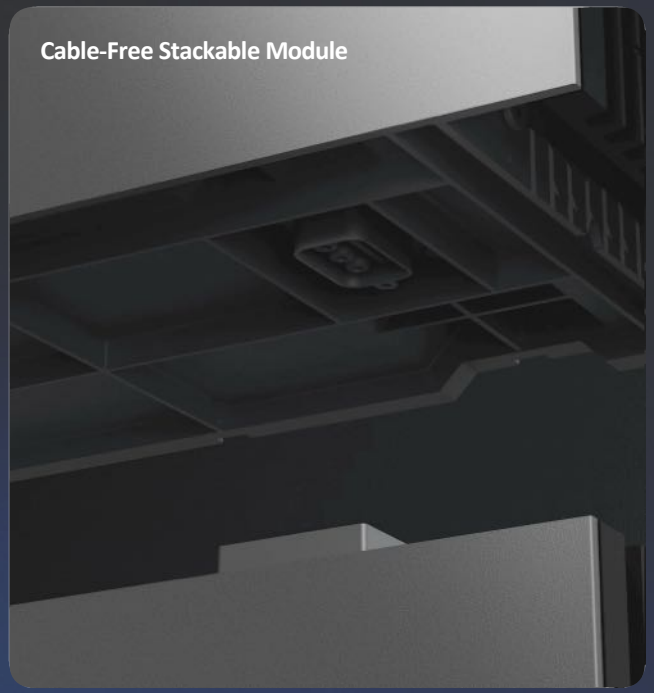
Scale up anytime

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

Rapid 15-Minute Installation

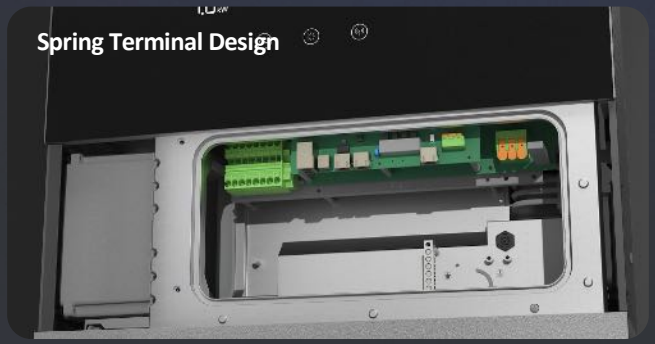
5 mins pack connection

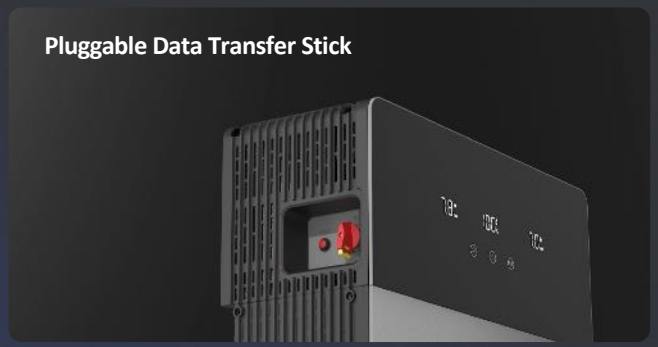
Cable-free design allows for tool-less stacking. Simply align and stack modules without internal wiring.



5 mins cable connection

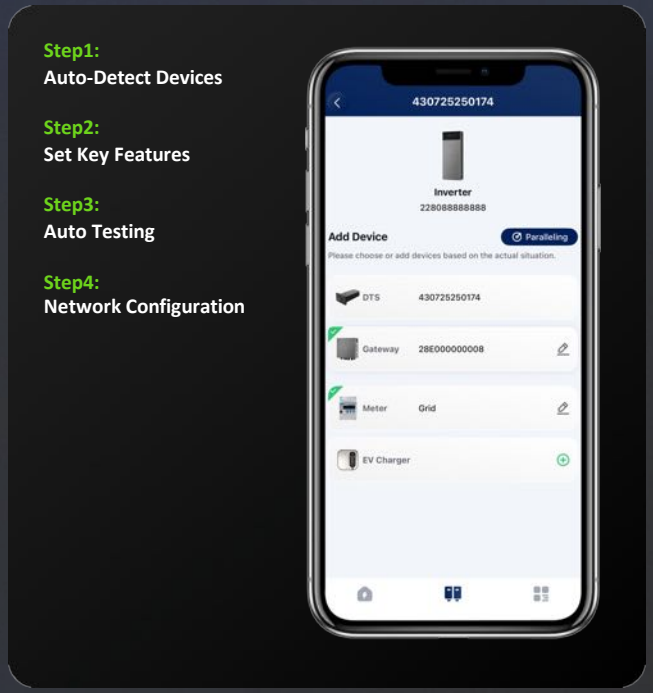
Features spring terminals and pluggable accessories, no screwdriver needed.





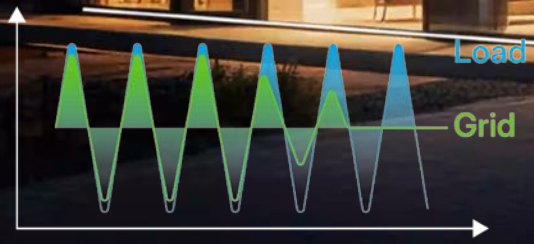
5 mins smart commissioning

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



Always On. Zero Outage.

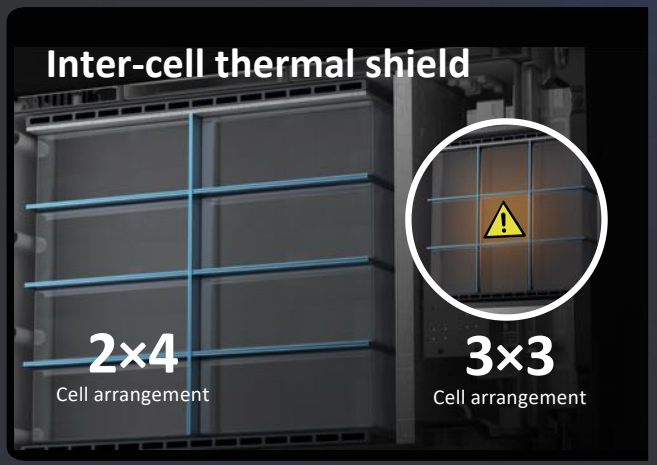
Whole-home backup keeps your entire home powered—your fridge humming, lights steady, and life uninterrupted, so you won't even notice the power went out.



0ms
Backup Transition

6-Layer Battery Protection

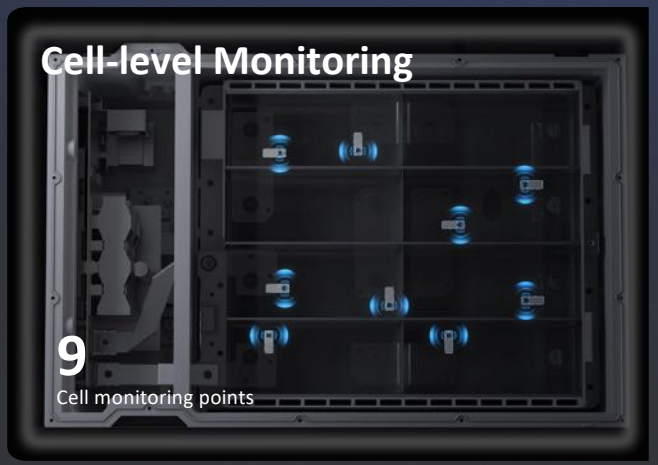
Inter-cell thermal shield



2×4
Cell arrangement

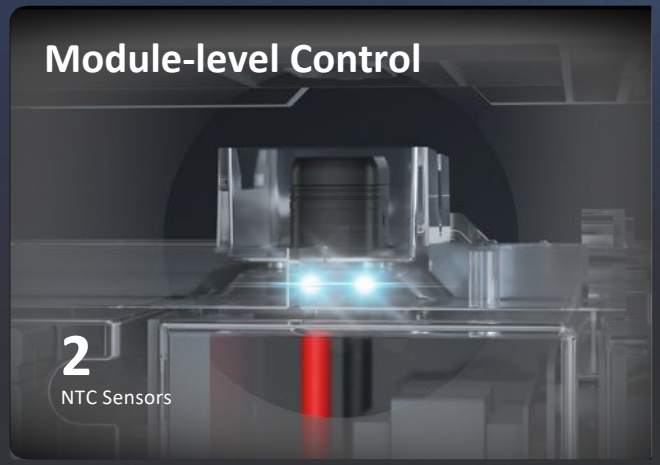
3×3
Cell arrangement

Cell-level Monitoring



9
Cell monitoring points

Module-level Control



2
NTC Sensors

Aerogel Thermal Barrier

Foam and ceramic aerogel between cells for superior thermal insulation.



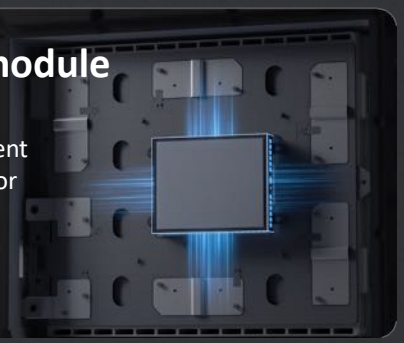
Pressure relief valve

Rapid gas release when pack pressure builds up.



Fire safety module

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



Passed 3000h Extreme Test





1,000-Hour Rapid Temp Change Test

65℃ For 60 Mins

-25℃ For 60 Mins

10℃/Min Change Rate

1,000-Hour Constant Damp Heat Test

Zero Derating

45℃ Temp

85% Humidity

1,000-Hour RH Accelerated Life Test

85℃ Temp

85% Humidity

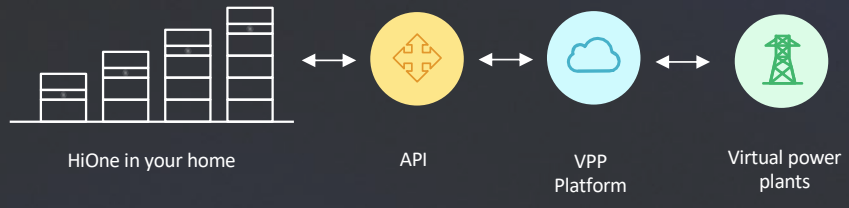
10% Power Derating To

*Non-battery version used for testing

Intelligent Energy Scheduling

VPP-Ready

HiOne provides flexible APIs for seamless VPP integration, enabling remote monitoring, intelligent energy dispatch, and participation in grid services—all through your existing platform.



Monitoring & steering | Aggregation | Trading calculation | Integration With utility





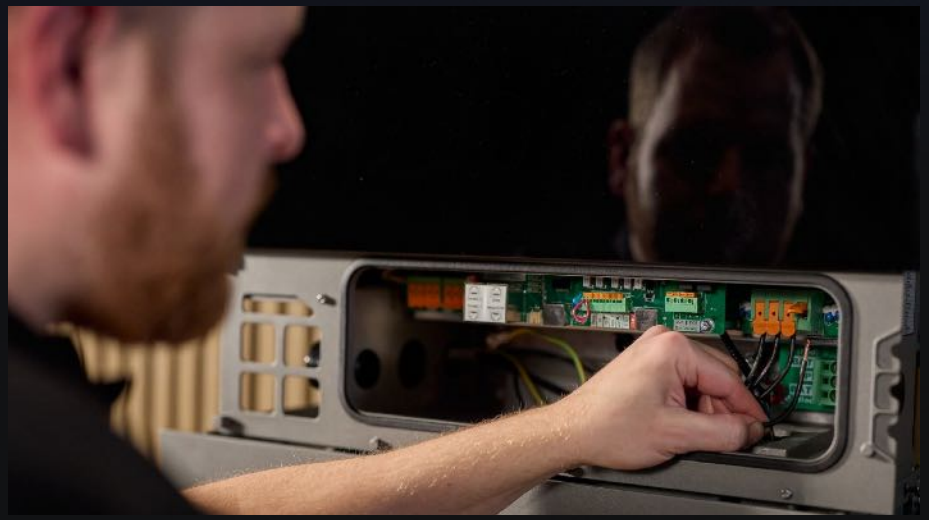
AI for Service

Forget waiting on hold for customer service. Just text your question in the App, our AI assistant answers in seconds. Fast, accurate, and always available.



Success Cases





PVSelected

Location
Willich, Germany

Capacity
20kW/16kWh

*"There are no complex communication wiring tasks, and no need to spend hours configuring parameters on-site. This has **effectively doubled our daily installation capacity**, and customers highly appreciate this 'zero-disruption' ultra-fast deployment experience."*

Success Cases





Atlas Power

Location
Harderwijk, Netherlands

Capacity
20kW/16kWh

"HiOne automatically tracks electricity prices like a financial trader. Now, during negative pricing periods, we don't just avoid losses—we can even charge the battery for free. ***Overall energy benefit has increased by about 18%*** *compared to using solar alone. It has completely transformed the way we manage household energy."*

Success Cases





SOLID solar SERVICES

Location
Sydney, Australia

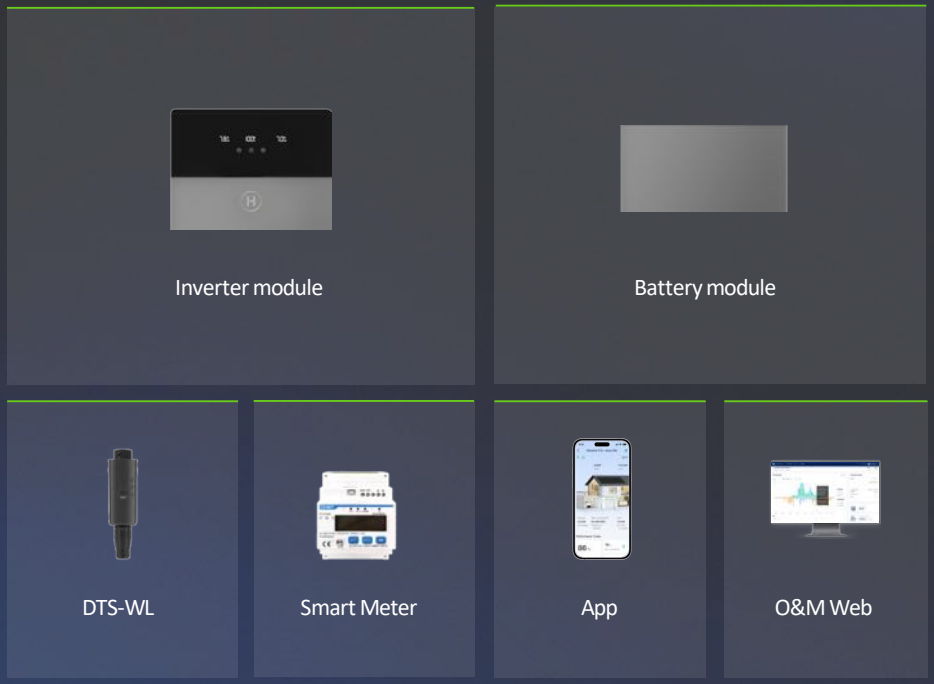
Capacity
12kW/16kWh

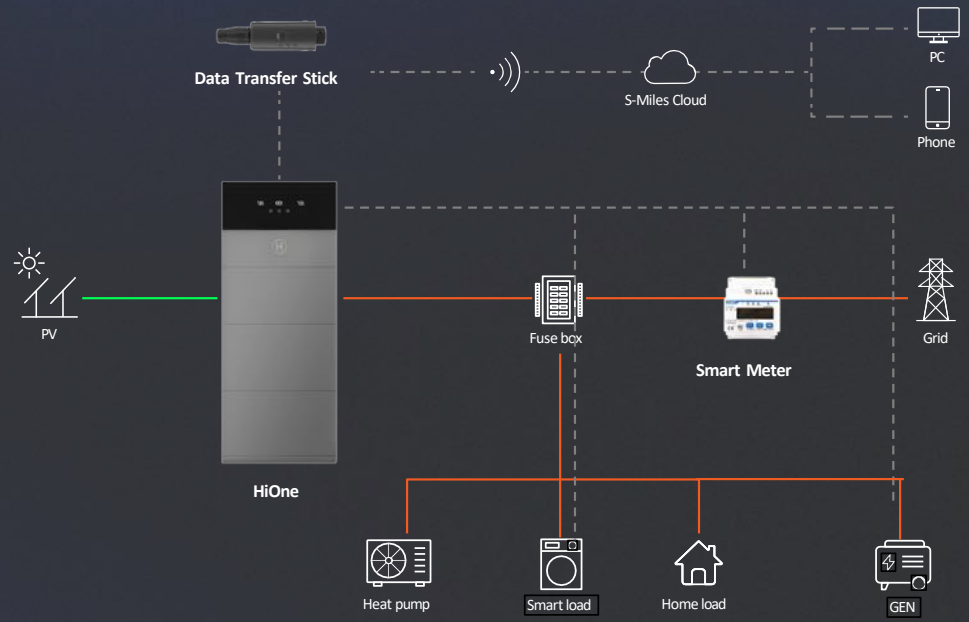
"From an installation perspective, HiOne's highly integrated design significantly simplifies on-site operations—the battery and inverter installation and commissioning together ***take only about 15 minutes****. There is no need for complex communication wiring or hours of parameter configuration.."*

Solution Overview

Single Unit

One-stop solution

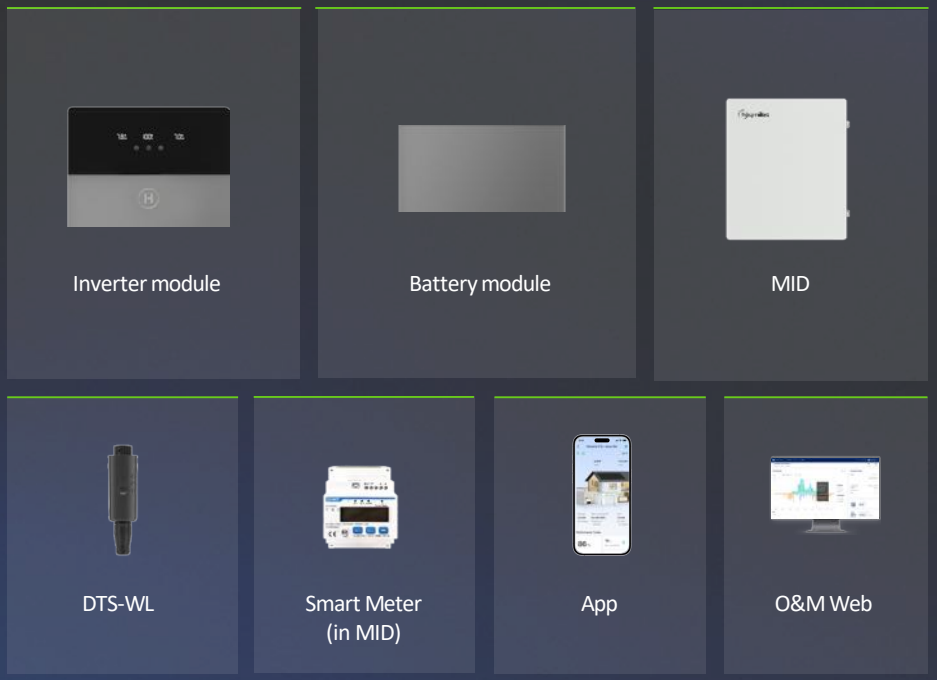




Solution Overview

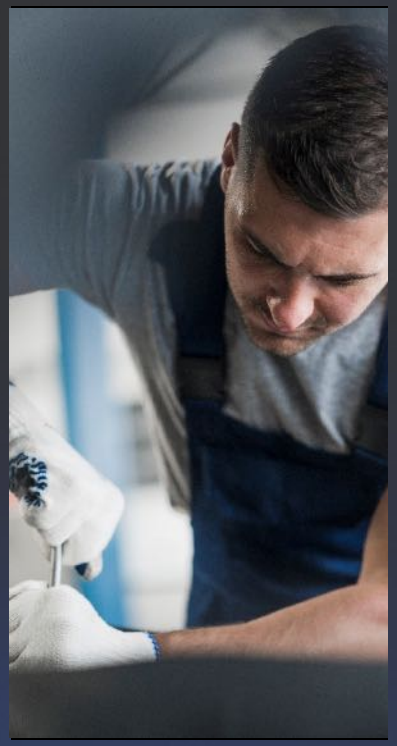
Whole home backup

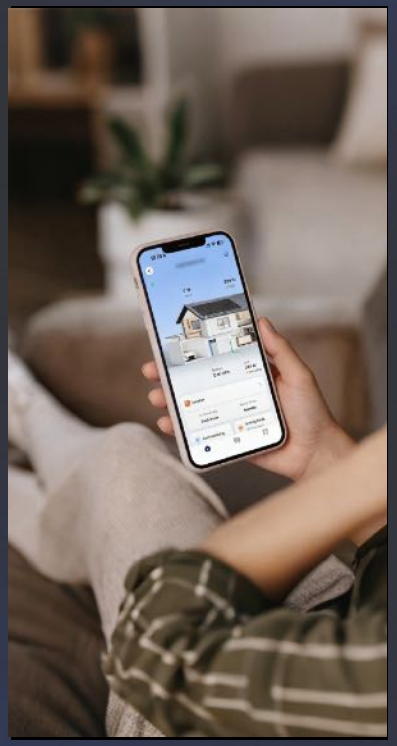
One-stop solution





All You Need, All in HiOne











***H**assle-free* ***I**ntelligent* ***O**ne-stop* ***N**ext-level* ***E**fficient*


Hoymiles
THANK YOU