OneHo

OneHo Plug & Play Balcony Solution

OneHo Plug & Play Solution Products

EQ Microinverter 2 in 1

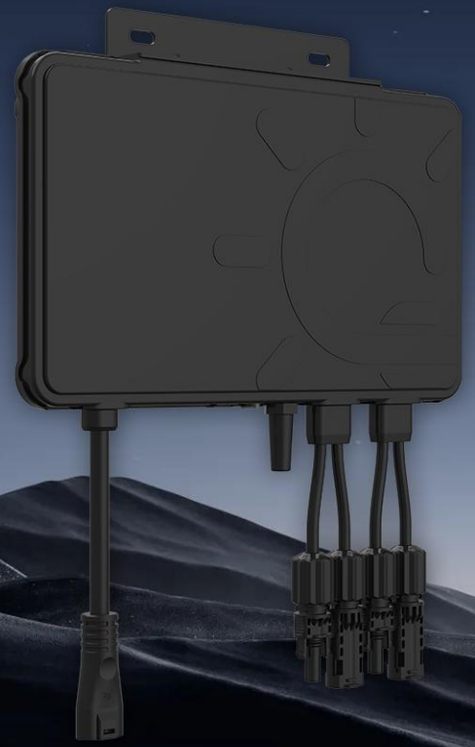
Solar Arc P2700 Pro

Solar Arc P2700 Pro AC

OneHo Cloud APP

Inverter EQ Microinverter 2 in 1

OneHo



EQ Microinverter 2 in 1

MPPT: 2

EQ-800/1000-W

≤60V Low-voltage DC **Electrical Safety**	Wi-Fi Communications **Reliable Communications**	Peak Generation Efficiency 97.5% **Efficiency Power Generation**	Simplified Installation 3min Commissioning **Plug-and-Play**
Operation Voltage 12V~60V **Low-Light Power Generation**	2.85 kg **High-Density and Lightweight**	IP67 Protection Class **Wind & Rain Resistant**	15-Year Warranty **Long-Term Protection**

Micro Storage Solar Arc P2700 Pro

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Solar Arc P2700 Pro

MPPT: 4

- 4400W PV Input
  4MPPT
- 3450W Maximum peak load power of the off-grid port
- Plug & Play
  Effortless Access to Energy
- OneHo AI Agent Optimized Energy Cost Savings
- Scalable Capacity
  2.6-15.6 kWh
- IP65 Protection
  10-Year Warranty

Micro Storage Solar Arc P2700 Pro AC

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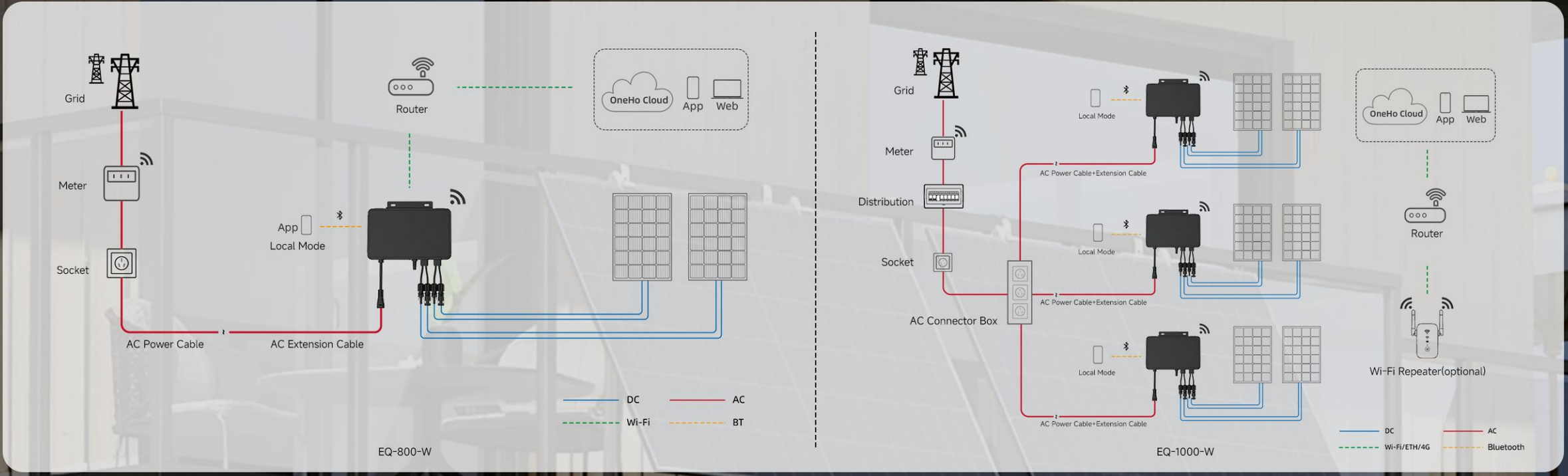
Solar Arc P2700 Pro AC

- AC-Coupled
  Plug & Play
- 3450W Maximum peak load power of the off-grid port
- 100% Compatible with Existing Solar Systems
- OneHo AI Agent Optimized Charge & Discharge Strategy
- Scalable Capacity
  2.6-15.6 KWh
- IP65 Protection
  10-Year Warranty

OneHo Balcony PV Only Solution Network Topology

Plug & Play Solution Scenarios



Core Requirement: Enable apartment and rental users to lower daily electricity costs with a safe, reliable and easy-to-install solar solution.

Product Compatibility: Low-voltage DC architecture with dual independent MPPTs for safer operation, flexible panel orientation and lightweight plug-and-play installation.

User Value: A low-cost, low-installation, visualized and portable entry-level solar self-consumption solution for apartments, rental users and small homes.

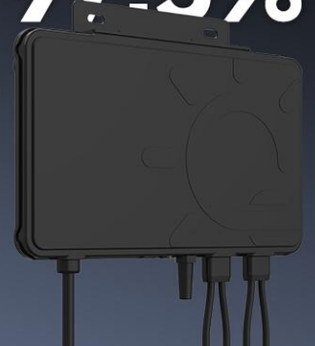
OneHo Balcony PV Only Plug & Play Solution

OneHo

Cover daytime base loads and reduce electricity costs

- Pays back in 3–5 years with 1,000 kWh annual generation.
- GaN technology delivers higher efficiency, lower temperatures, compact design and stable long-term performance.
- OneHo AI enables real-time savings monitoring via cloud-based management.

97.5%

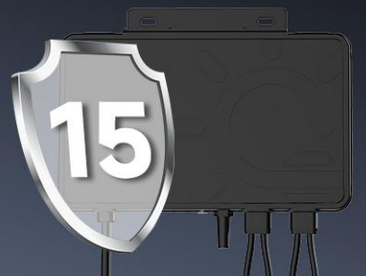


Seamless connection to home energy systems

- Low upfront cost and plug & play installation enable homeowners to start self-consuming solar energy immediately.
- Plug and play design with socket connection, Bluetooth setup and 3 min commissioning for low-cost access to clean energy.
- 60V low-voltage DC design for enhanced safety and ease of use in residential applications.

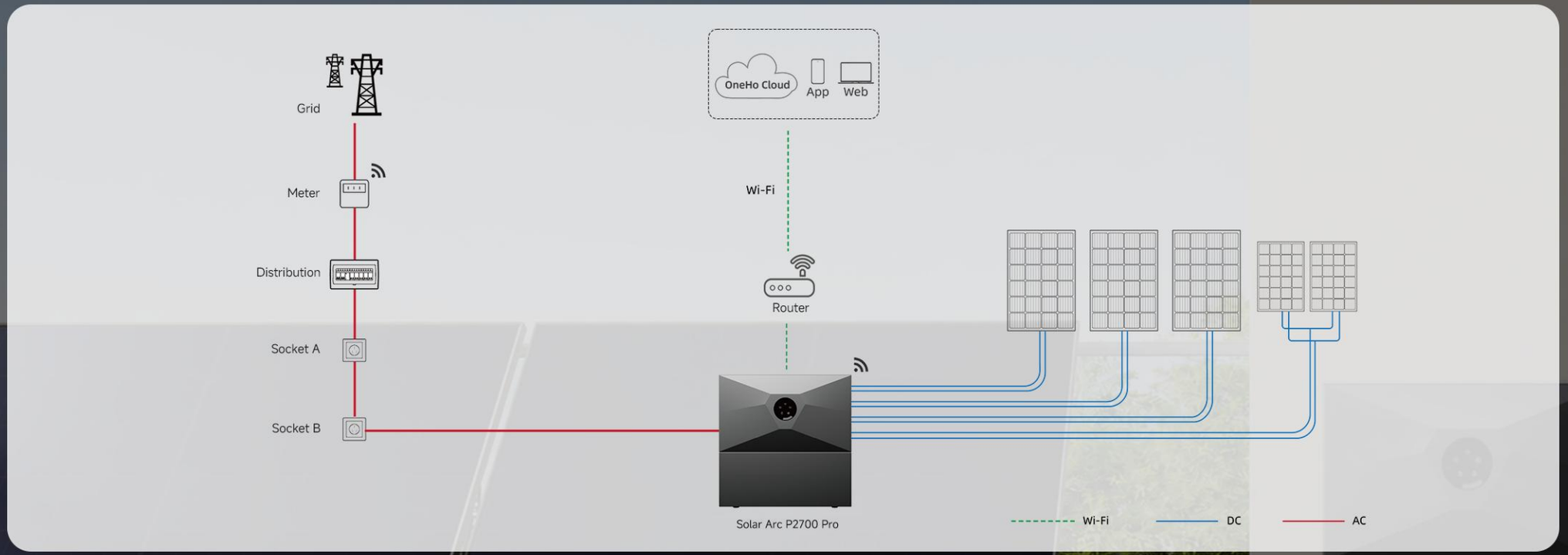
Plug & Play

15-Year Warranty
60 V DC Low-Voltage



OneHo Plug & Play Battery Solution Network Topology

OneHo New-Build Plug & Play Battery Scenarios



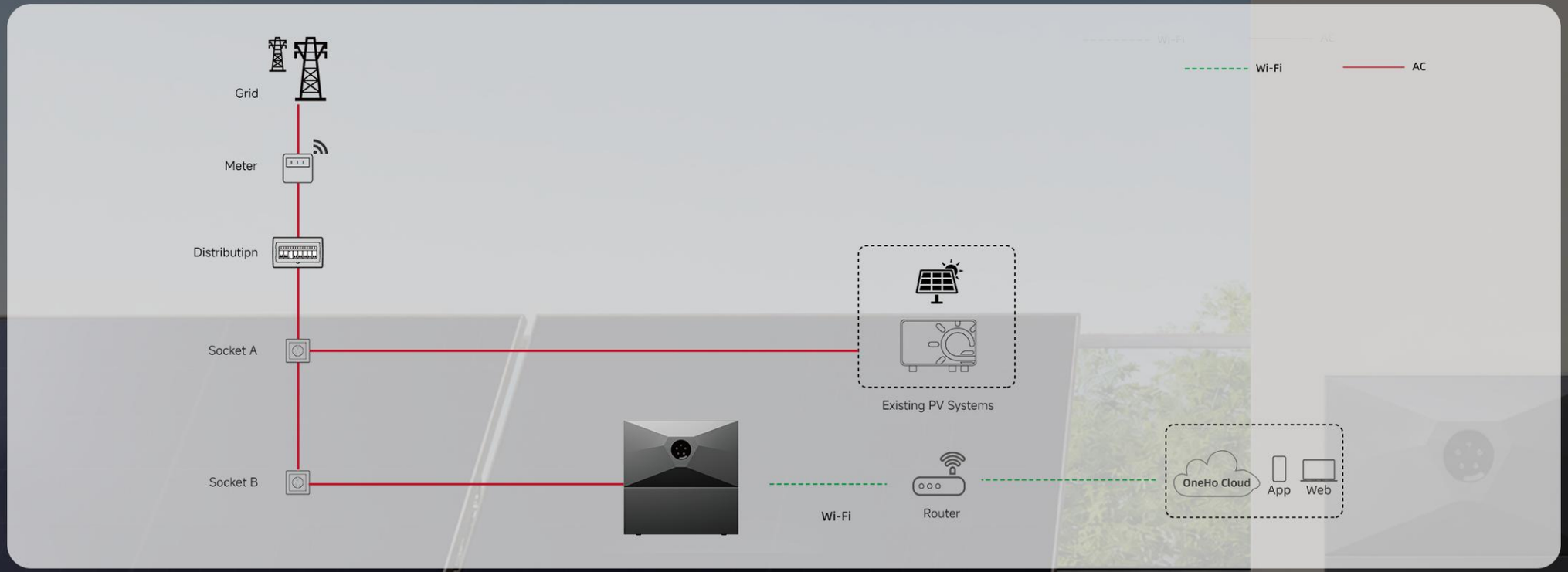
Core Requirement: Increase solar self-consumption by storing excess solar energy for nighttime use, while ensuring easy installation and essential backup power.

Product Compatibility: 4400 W PV input and 3450 W off-grid output, powered by the industry's first wide-bandgap semiconductor platform for higher system efficiency and true plug-and-play deployment.

User Value: Maximize solar self-consumption, reduce electricity costs more effectively, and ensure reliable backup power during outages.

OneHo Retrofit Plug & Play Solution Architecture

OneHo Retrofit Plug & Play Solution Scenarios



Core Requirement: Integrate AC-coupled energy storage without modifying the existing PV system, enabling higher self-consumption for existing solar-only systems

Product Compatibility: Compatible with existing PV systems without modification, with scalable capacity from 2.6 kWh to 15.6 kWh.

User Value: Enhance PV self-consumption, reduce electricity bills and gain essential backup power capability.

Plug & Play PV + ESS Solution — Safe

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Edge-Cloud BMS

Multi-layer BMS monitoring and protection

Cell Safety

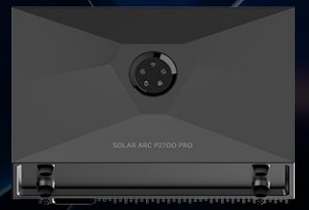
Cell-Level Management for Early and Accurate Detection of Abnormal Trends

Structural Safety

High-temperature and weather-resistant enclosure design.

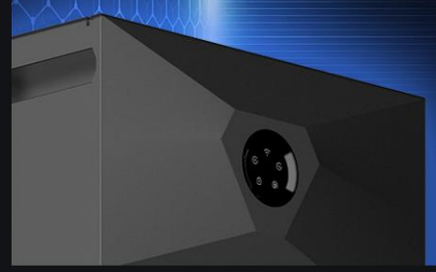
Overload Protection

Power limiting or timely shutdown when current, voltage, or load exceeds safe range.



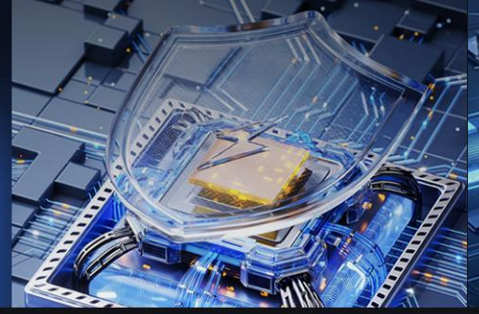
Overheat Protection

Thermal runaway warning, temperature trend detection, preemptive power limiting or shutdown.



Multi-level Isolation

MOS + relay design for multi-level disconnection during system anomalies



Zero Export Protection

Prevents excess energy from feeding back to the grid.

Module-level Isolation

Each battery pack integrates BMS to prevent a single-pack fault from impacting the entire system.

Plug & Play PV + ESS Solution — Advanced

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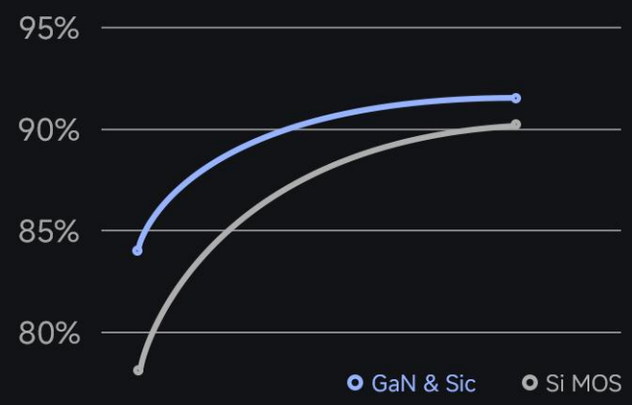


91%

91% Efficiency: Shattering industry limits
Achieve efficient energy conversion

45%

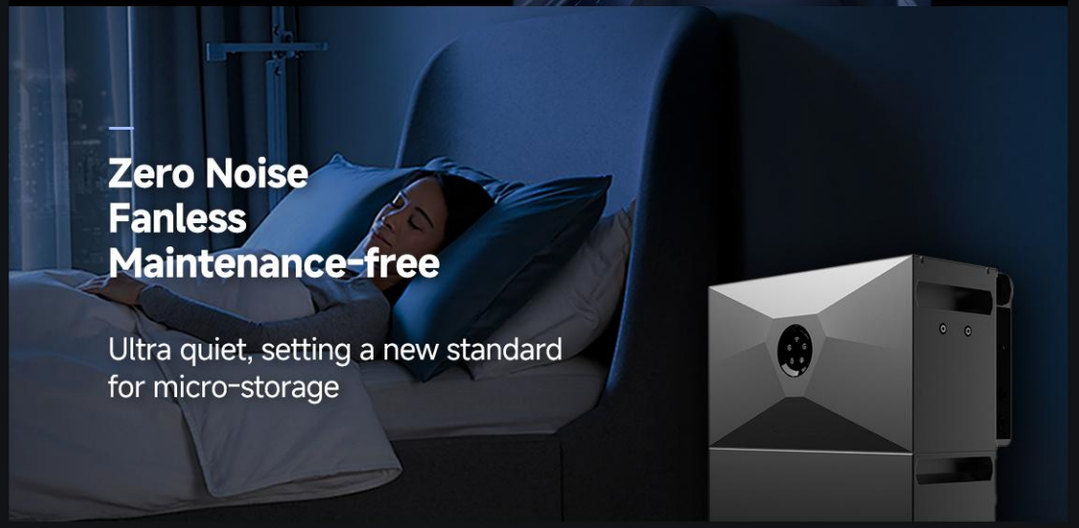
45% lower losses vs Si MOS.
Cooler operation, stable performance.
Less heat generation, stable load capacity

33%

33% higher power density.
Higher output in the same compact size.
With the same volume, it can release a stronger output capacity.

SiC & GaN

Advanced materials
Superior performance



Zero Noise
Fanless
Maintenance-free

Ultra quiet, setting a new standard for micro-storage

Plug & Play PV + ESS Solution — Reliable

OneHo

10-year warranty
15-year design life

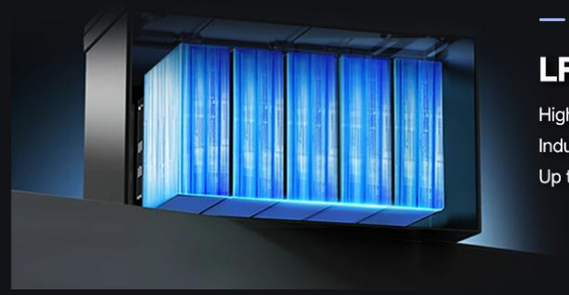
Long-term use, lasting stability

EN18031 certified:
secure data & communication

Long-term use, lasting stability

IP65 protection

Fully sealed and dust-proof
Waterproof from every angle
Long-term outdoor deployment



LFP cells: 8000 cycles

Higher thermal stability, exceptional durability, and long-term value.
Industry-Leading Cycle Life
Up to 33% longer lifespan compared to conventional systems.

Cell-level BMS with active balancing

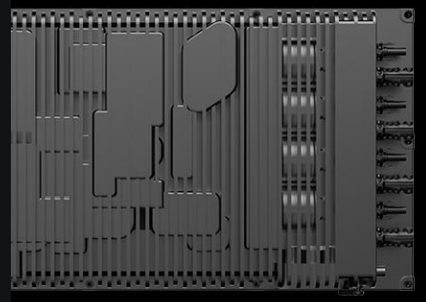
Global per-chip BMS technology
Multi-layer safety protection technology
Active cell balancing technology

Low-temperature heating: stable operation at -20°C

Reliable use in winter

Plug & Play PV + ESS Solution — Economy

OneHo



4400W PV input with 4 MPPTs

+40% vs industry avg.

Up to €2,063 annual savings

Redefine the upper limit of the value of micro-storage.

2300W AC Charge/Discharge

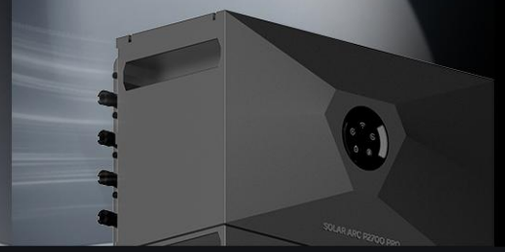
+15%

Expandable capacity

2.6–15.6 kWh

3450W off-grid peak output

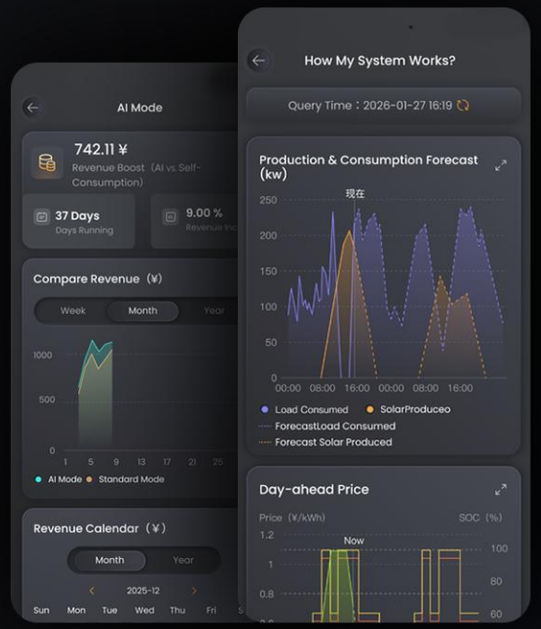
+43% vs industry avg.

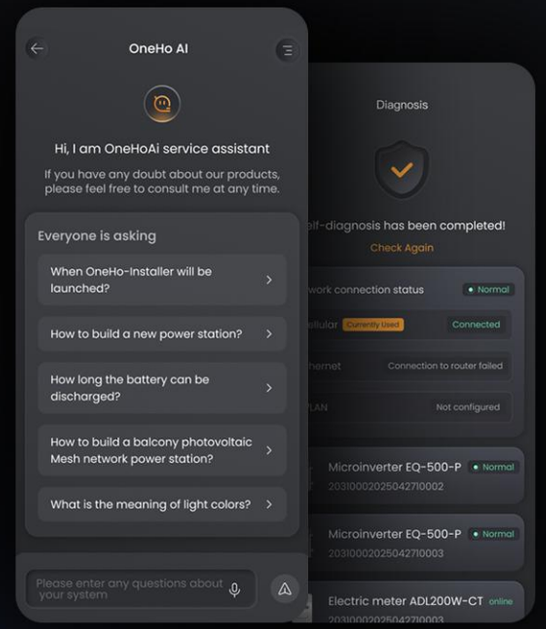


12V–60V DC operating range

+8% energy yield.

Plug & Play PV + ESS Solution— Intelligent





OneHo AI forecasting

PV, load & lifetime (Error Rate < 10%.)

OneHo AI assistant

Smart charge/discharge decisions powered by AI, SOC, health, and dynamic pricing

OneHo AI scheduling

Nexus Agent-enabled Supports multiple LLMs 24/7 online

OneHo AI diagnostics

5s anomaly detection with precise fault location

System Accessible

Integrating Smart Devices, Energy Providers and Electricity Markets into a Unified Ecosystem for Real-Time Energy Visibility, Intelligent Optimization and Maximized Home Energy Value

Meter

Linky（TIC）

ECOJOKO

P1

TIBBER

SHELLY

Supplier

ENGIE

NORD POOL
A EURONEXT COMPANY

octopus energy

Home Assistant

everHome