SPECIFICATION

Model	HOME-ESS-HV-5.12K
Nominal Energy	15.36kWh-61.44kWh
Nominal Voltage	153.6V-614.4V
Cell Type	LFP(LiFePO₄)
Charging Temperature	From -5 to 55° C
Discharging Temperature	From -20 to 55° C
Depth of Discharge	95% DOD
Nominal Charge/Discharge Current	100A
Max. Charge/Discharge Current	100A
Cycle Life	>6000,25° C
Enclosure Protection Rating	IP65
Max. Battery Module per System	12
Cooling Type	Natural convection
Humidity	5%~95%
Altitude	<2000
Warranty	10 years
Communication	CAN/RS485/WIFI/Bluetooth
Battery Safety	IEC 62619/IEC 62477/CE
Transportation Certification	UN38.3

3   4   5   6   7   8   9   10   11   12
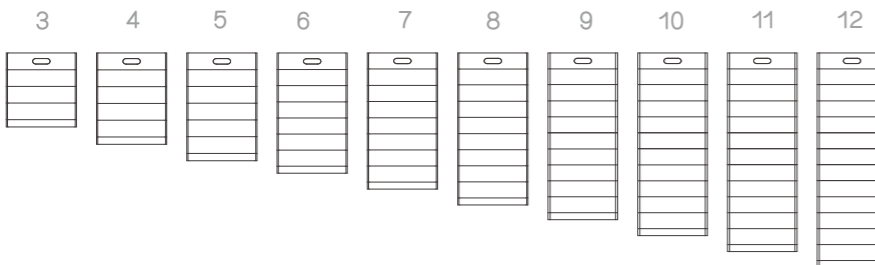
HOME-ESS-HV-5.12K is suitable for any existing solar

energy system without connected solar energy storage batteries. It offers flexibility with **3 to 12 modules** that can be combined, supporting up to **4 parallel clusters** and a maximum expansion of **245.76kWh.**

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HOME-ESS-HV-5.12K
15.36-245.76 kWh
High Voltage Battery

46Kg
Module Weight

100A
Max. Charge/Discharge Current

95%
DOD

IP65
IP Rating of Enclosure

Hanchu Cloud Platform Integration

HANCHU iESS

- **Schematic**

Through integration with the **HANCHU iESS**, the energy storage system enables real-time monitoring of battery performance, charge-discharge status, temperature, and other data. You can conveniently access and control your energy storage system in real-time through a mobile application or webpage, enhancing the overall visual management experience of the system.

Operators and end-users can stay informed about the real-time operational status of the system, enabling remote scheduling, OTA upgrades, and historical data analysis. This functionality brings convenience to after-sales service.

- Fast configuration via APP/Platform
- 3 mins OTA Remote Upgrade
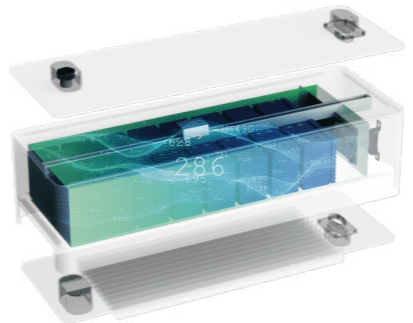- 7/24 real-time monitoring
- Remote Energy Management
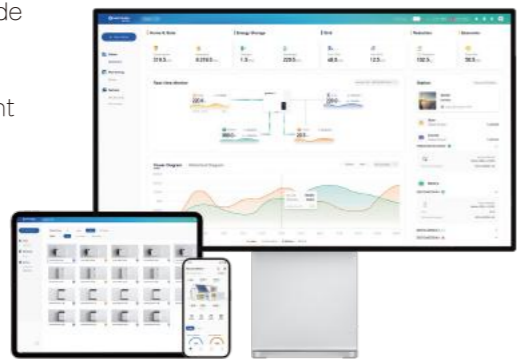
Product Features
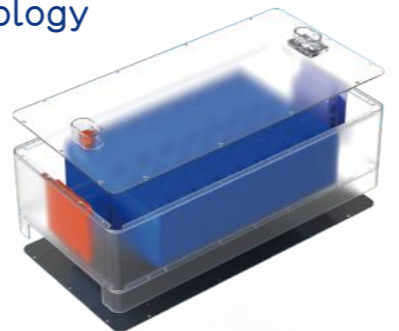
Intuitive Interaction
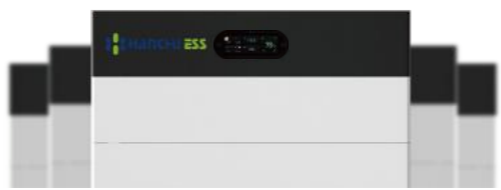
- Through the industry-leading touch screen display, not only real-time display of battery operation data, but also on-screen operations such as setting parameters, giving users a better human-computer interaction experience.

Superior Performance

- More Lighter
- More Energy
- Greater Performance

Leading Technology

- Fully Aluminum Extruded Integrated Body
- Smart Management
- Improved Heat Dissipation Structure
- IP65 Protection Rating

Product Features

Ultimate Security

- Smart BMS
- Thermal Aerosol
- External Circuit Breaker
- LFP Cell
- Explosion-proof Valve

Convenient Installation

- Modular Design
- Quick Plug Installation
- Bluetooth Networking
- 30-second Fast Matching Network