



Outdoor Box-X3

# INNOVATE·ENJOY

*Smart energy, Sustainable Solutions.*





## Why Outdoor Installation?

- **Users' Safety Concerns**

There is no longer a need to install the equipment in the garage or basement, completely eliminating your indoor safety concerns about potential battery risks.

- **Regulatory Forward-looking**

With a forward-looking design, it responds to the mandatory outdoor installation regulations that may be introduced in the UK and Europe in the future.

- **Space and Noise Optimization**

Free up valuable indoor space while isolating operating noise outdoors.

## Core Parameters

- **IP65**

Fully dust-tight and resistant to low-pressure water jets from any direction. Unaffected by wind, rain, sand, or dust.

- **C3**

This product can be used in environments with a certain level of humidity and under salt spray corrosion.



- **Compact Dimensions**

840mm (W) \* 280mm (D) \* 1700mm (H)

Slim design saves space and seamlessly integrates into various outdoor environments.

# Compatible with Multiple Low-Voltage Batteries

## Compatibility List:

Inverter	HESS-HY-S-3.0/3.68/4.0/5.0/6.0K
Battery	HOME-ESS-LV-3.68K (Up to 2 units)
	HOME-ESS-LV-5.12K (Up to 2 units)
	HOME-ESS-LV-9.4K (Up to 1 unit)

\*Battery parallel connection wiring holes are reserved between outdoor cabinets to support expansion.

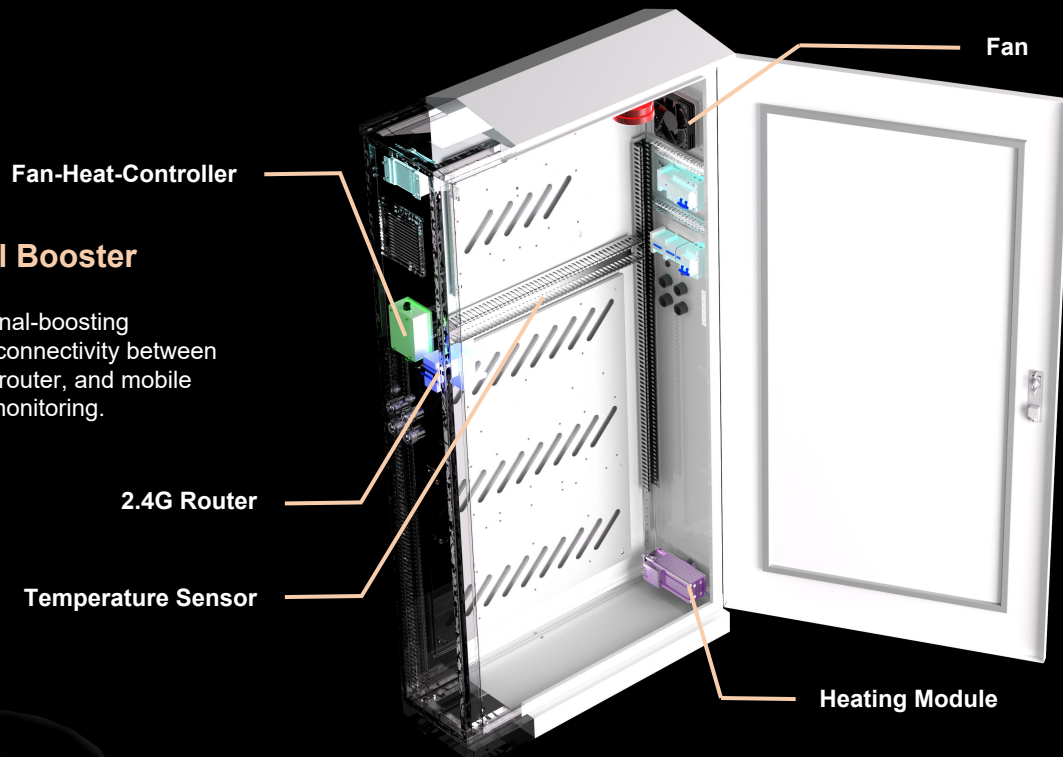




## Key Features: Smart Climate Control & Strong Connectivity

- **Built-in 2.4G Signal Booster**

Equipped with a built-in signal-boosting antenna, it ensures stable connectivity between the outdoor cabinet, home router, and mobile APP, enabling worry-free monitoring.



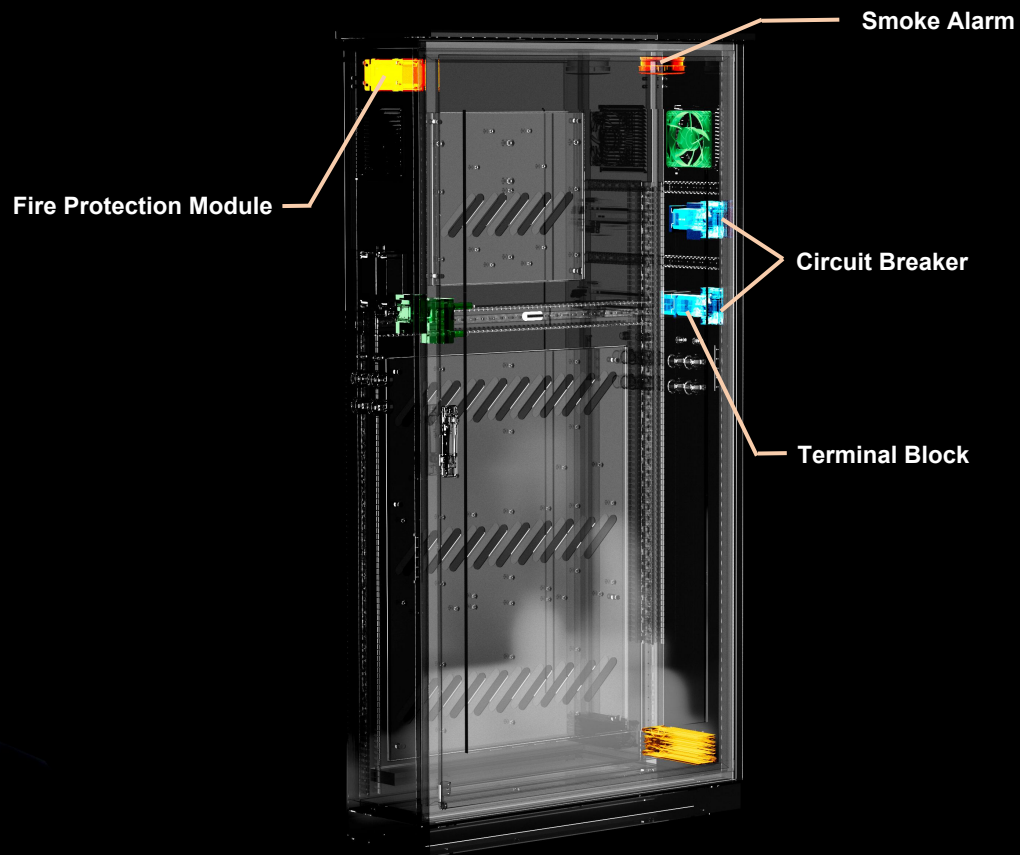
- **Cooling Mode**

Automatically activates at high temperatures to maintain the battery's optimal operating efficiency.

- **Heating Mode**

Automatically activates at low temperatures to ensure the battery charges and discharges normally in frigid environments, extending its service life.

## Key Features: Ultimate Safety & Easy Installation



- **Multiple Safety Firewalls**

"Built-in smoke sensor" + "Automatic fire protection device" + "External emergency cut-off switch" = Comprehensive safety protection from early warning to power cut-off.

- **Minimalist Installation Design**

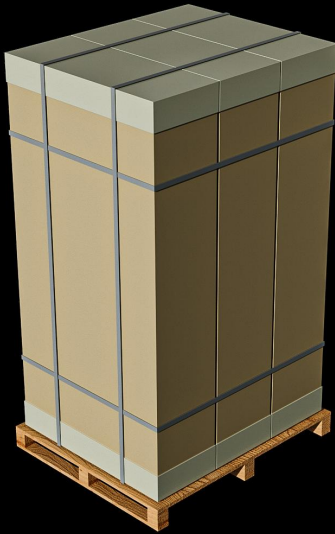
Significantly reduces installation steps and time, lowering labor costs.

- **External Circuit Breaker**

Compatible with multiple low-voltage battery models of HANCHU. No on-site measurement or drilling is required, enabling "mount-and-use" functionality.

# Effortless Delivery & Placement

- **Standardized Transportation**



"Efficient Loading" - Featuring a standard pallet design, with 3 units per pallet. A 20-foot container can hold 36 pallets / 108 units, achieving optimal logistics costs.

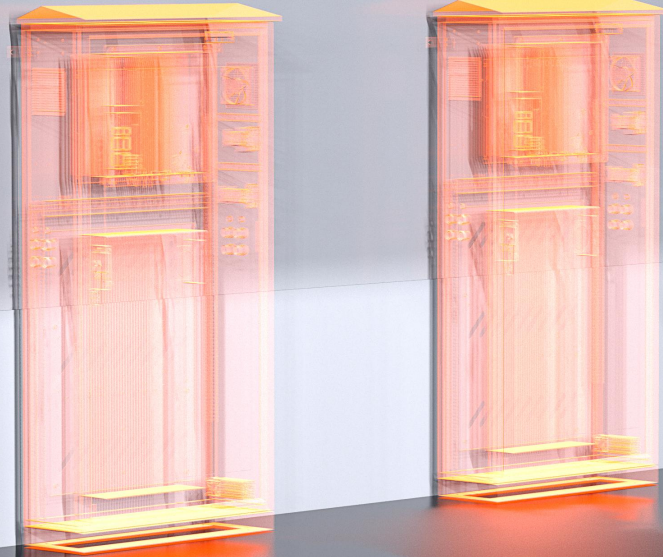
- **Hoisting & Positioning**



"Direct to Site" - Supports yard hoisting operations, avoiding damage from secondary handling and saving time and effort.



# Smart Connectivity for Convenient Control



- **One-Touch Connectivity**

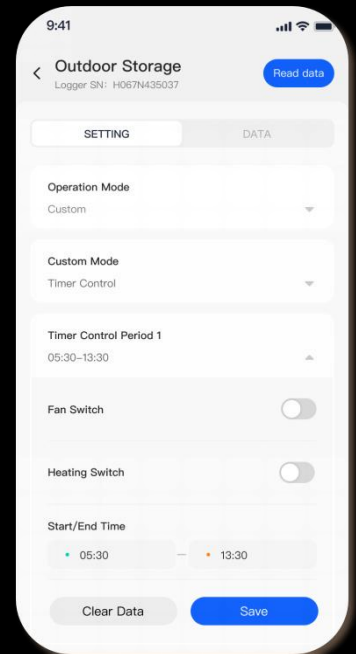
The built-in 2.4G signal booster not only solves the problem of weak outdoor signals but also ensures stable network connectivity for the device.

- **24/7 Remote Visibility & Control**

No matter where you are, you can real-time monitor the operating status of the outdoor cabinet via the mobile APP.

- **Customizable Operation Modes**

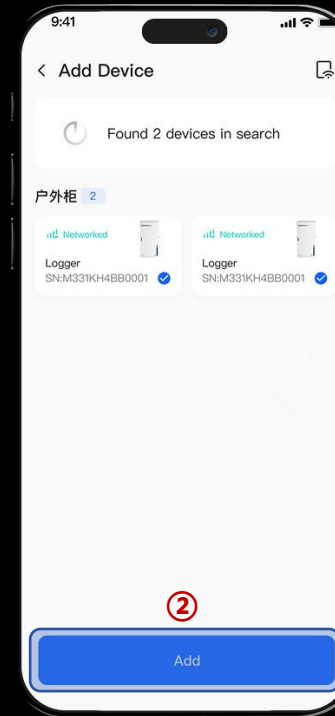
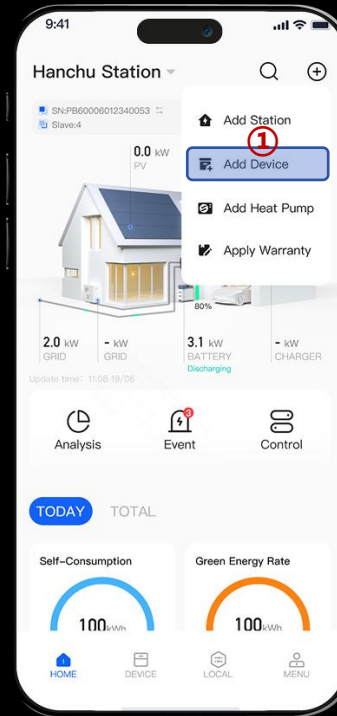
Users can select different working modes based on personal needs and make personalized settings according to the usage environment, enhancing flexibility in use.



# Device Binding & App Configuration

- **Add Device**

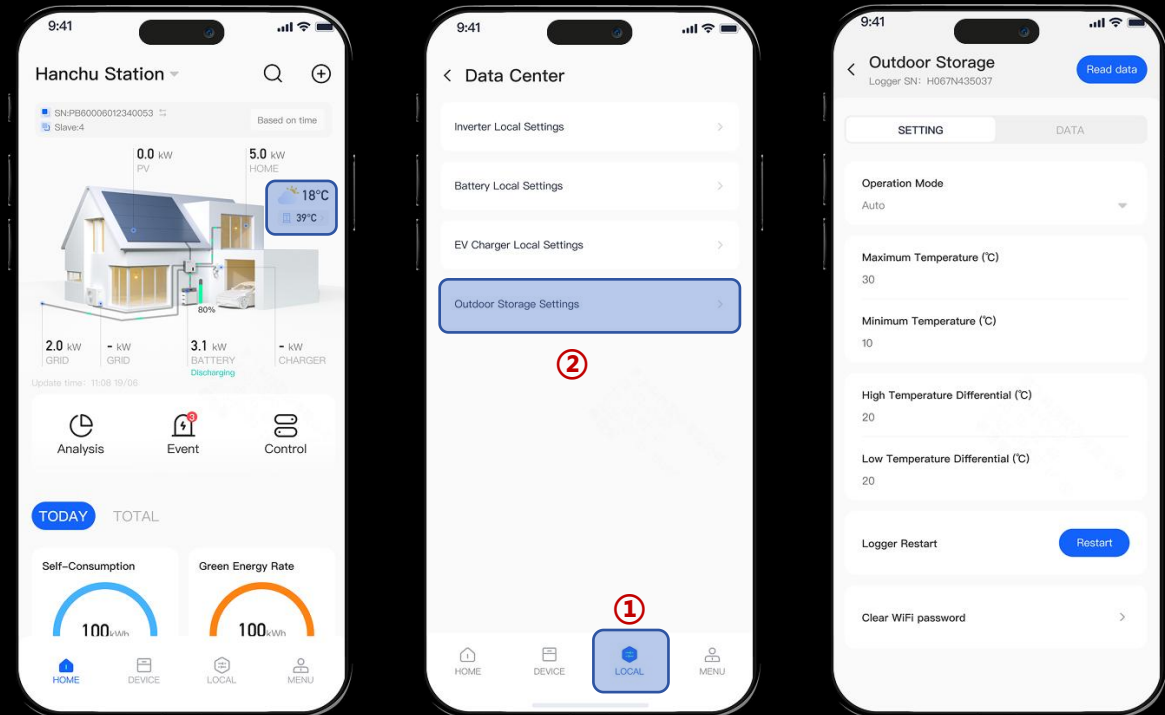
- Click "①" to add a device.
- Refer to "②" and "③", and complete the addition according to the actual steps shown.



# Device Binding & App Configuration

- **Settings**

- After the device is added, the homepage scene will display the outdoor cabinet icon and temperature below the weather icon.
- After the addition is complete, click "①" to enter local control.
- Click "②" to perform local control operations for the outdoor cabinet

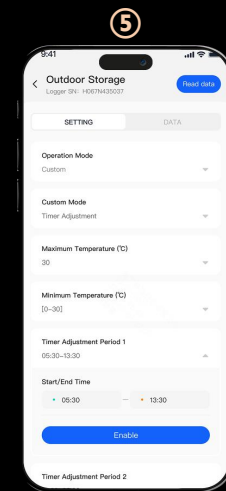
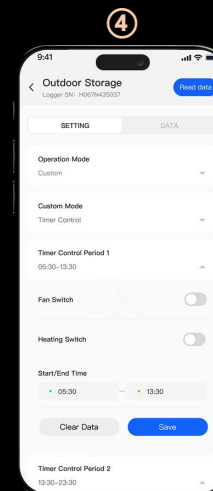
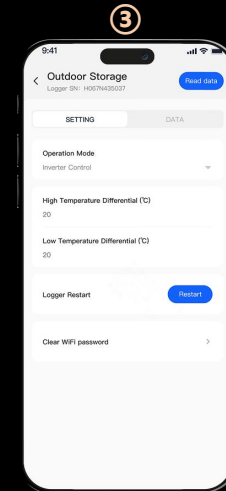
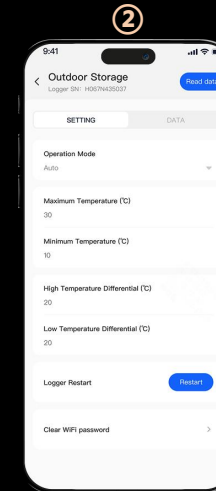
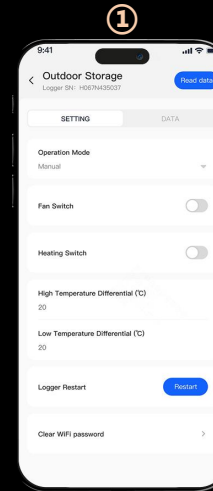




# Device Binding & App Configuration

## • Settings

- ① **Manual**: Manually turn on/off heating and cooling.
- ② **Auto**: In unattended scenarios such as when the user is traveling or on a business trip, the automatic control mode can intelligently adjust heating and cooling based on the ambient temperature.
- ③ **Inverter Control**: Real-time inverter commands to turn on/off heating and cooling.
- ④ **Custom-Timer Control**: Users can manually schedule the time in advance, so that the heating and cooling functions will automatically be enabled or disabled at the preset times.
- ⑤ **Custom-Timer Adjustment**: Users can preset time periods for the system to automatically adjust heating and cooling based on ambient temperature, without manual intervention.



# Technical Parameter

Model	Outdoor Box-X3
Ventilation	Heat sink(300W) + Fan(15W)
Heating	Yes
Fire Warning	Smoke detection + Audible and visual alarms
Gas Extinguishing	Thermal Aerosol
Material	Steel 1.2mm
Ingress Protection Degree	IP65
Dimension(W*D*H)	840*280*1700mm
Weight	80kg



# THANK YOU

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Jiangsu Hanchu Energy Technology Co. Ltd.

