

# HANCHU ESS Outdoor Installation Requirements

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## 1.Applicable Products

These outdoor installation requirements apply to the HANCHU Energy Storage System Products Including the HANCHU battery and inverter.

## 2.Installation Environment

Please make sure the installation location meets the following conditions:

- The building is designed to withstand earthquakes.
- The wall or the floor is flat, hard, and have sufficient load-bearing capacity, and the area has minimal dust and dirt.
- The ambient environment is cool, dry, well-ventilated, and away from the sea, salt water, humid air and heat sources.
- Temperature and humidity are kept at a constant level.
- There are no flammable and explosive items, corrosive gases, including ammonia and acid vapors, and contaminants.
- The installation location must not be exposed to direct sunlight.
- The installation location must not be exposed to rain or snow.

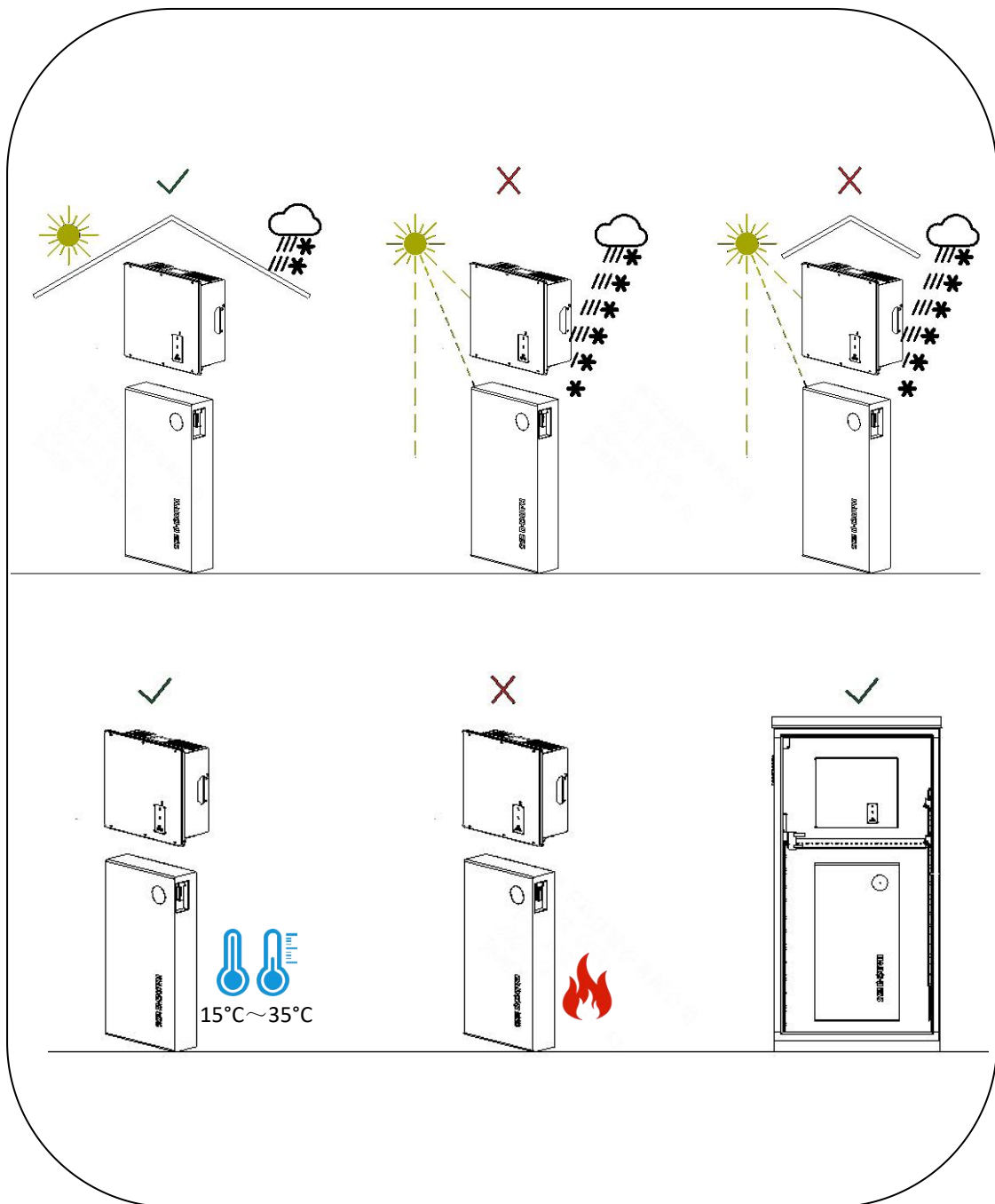
### Note:

If the ambient temperature exceeds the operating range, the battery will stop working to protect itself. The optimal temperature range for battery operation is 15°C to 35°C. Frequent exposure to inappropriate temperature may reduce battery performance and life.

When the installation environment of the system does not meet the above shading requirements, users can choose to use the HANCHU outdoor enclosure cabinet in combination with the system, or build an installation environment that meets the conditions on their own.

### Note:

- Hanchu has outdoor enclosure cabinet for use with 'LV Series' Systems. For 'HV Series' Systems, users are requested to construct their own protective enclosures.
- Please install the system and outdoor enclosure cabinet according to the operating requirements. Otherwise, HANCHU will not be liable for any warranty claims resulting from system damage. For detailed installation steps, refer to the Quick Installation Guide and User Manual.

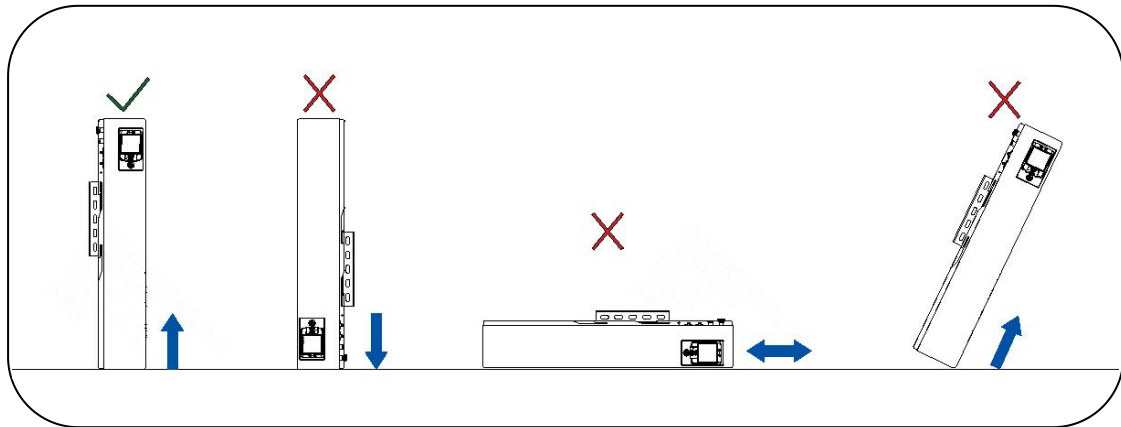


**Figure 1 Installation Environment**

The diagrams in this document are based on Home-ESS-LV-9.4K System.

### 3.Installation Angle

The system can be installed on the wall or the floor. Install it on a flat wall or the floor and keep the system parallel to the wall or the floor. And don't install the battery at inclined, horizontal, or upside down positions.



**Figure 2 Installation Angle**

The diagrams in this document are based on Home-ESS-LV-9.4K.

### 4.Installation Space

- Leave enough space to install the battery. When the battery is mounted on a wall, do not place any objects under the battery.
- The recommended distance between the battery and the inverter should be no less than 400mm.
- When connecting batteries in parallel, the recommended spacing between batteries should be 200-350mm.
- A minimum clearance of 300mm should be maintained around the battery for heat dissipation.

**Note:**

Installation distance requirements may vary depending on the battery system. For detailed information, please refer to the product user manual.