SMART CORE

Household energy storage product

1.1 BMS features highlight 1

High-level safety.

Our product can withstand an external short-circuit current of up to 1400A.

Our product can withstand multiple external short circuits and ensure safety.

- It can distinguish instantaneous current surges and provide short-circuit protection. Avoid unnecessary frequent protection.

1.2 BMS features highlight 2

Support up to 100,000uf pre-charge capacitor

High pre-charge capability can minimum BMS damage.

- It can also solve the fault short circuit protection.
- It can distinguish instantaneous current impact and short-circuit protection. Avoid unnecessary frequent protection.

1.3 BMS features highlight 3

Better heat tolerate (Lower temperature rise)

Smart Cloud BMS System - Scalable, High-Voltage Precision Control

- Support multi-packet parallel automatic networking.
- A single cluster supports 25 slave machines and can manage a maximum of 25*400 strings of batteries.
- Supports a maximum voltage platform of 1500V, with an insulation withstand voltage rating of 5000V.
- Cloud-based all-time balancing technology, the full life cycle of individual imbalance is less than 20mV.
- Dual management of cooling and heating to ensure the working temperature range.

2.3 HV BMS features highlight 3

Smart Cloud BMS System - Scalable, High-Voltage Precision Control

- AI self-learning security algorithm, active early warning of potential risks.
- Neural network model + multi-factor correction leads to higher SOC estimation accuracy.
- Hardware pre-charging circuit + software circulating current algorithm to effectively manage circulating current problems.
- Rich epitaxial interfaces, and interlocking control of PCS and EMS.
- BMS intelligent hardware + cloud platform + APP overall solution.

2.4 HV BMS features highlight 4

- The battery data was transmitted to the cloud platform through the BMS, and the battery status was presented based on the data.
- The multi-dimensional data analysis chart was provided, which could intuitively reflect the running status of single and batch batteries.
- Battery monitoring is also equipped with APP and applet versions, which can understand the battery status at any time and anywhere.

2.5 HV BMS features highlight 5

After the BMS adds the data transmission function, it supports the online seamless OTA function, which is very convenient for subsequent on-site application matching or policy optimization.

- A strict permission management mechanism ensures security.
- At present, the OTA technology of Youdan has been widely commercialized and applied for more than four years, with a total of nearly 100,000 OTA executions.

2.6 HV BMS features highlight 6

- The data-based remote balancing algorithm can precisely calculate the capacity differences among various battery cells on the platform server, thereby identifying the cells that need balancing and estimating the balancing time.
- The cloud then issues the balancing instructions to the terminal for execution, supporting 2A full-time balancing, which greatly improves the balancing efficiency, ensures the consistency of battery cells, and ultimately increases the vehicle's driving range.

2.7 HV BMS features highlight 7

- The platform has deployed over thirty monitoring software programs, including data collection, statistics and monitoring, estimation of abnormal data changes, individual/group differences in temperature fields, abnormal changes in pressure differences, and deterioration of insulation characteristics (continuously enriched).

- It analyzes the data uploaded by batteries to the platform in real time and matches features from different dimensions to enhance the application safety of battery packs.

Contact email:
Only to be used as a contact in case of an emergency

Contact address
For after sales service only no other use

Don't have a device yet? Try Experience Login

Scan the QR code or manually enter the SN code (this sticker is on the side of the PDU control box), and fill in the registered account, email,and contact address.

Finally, click "Finish" to complete the device binding:

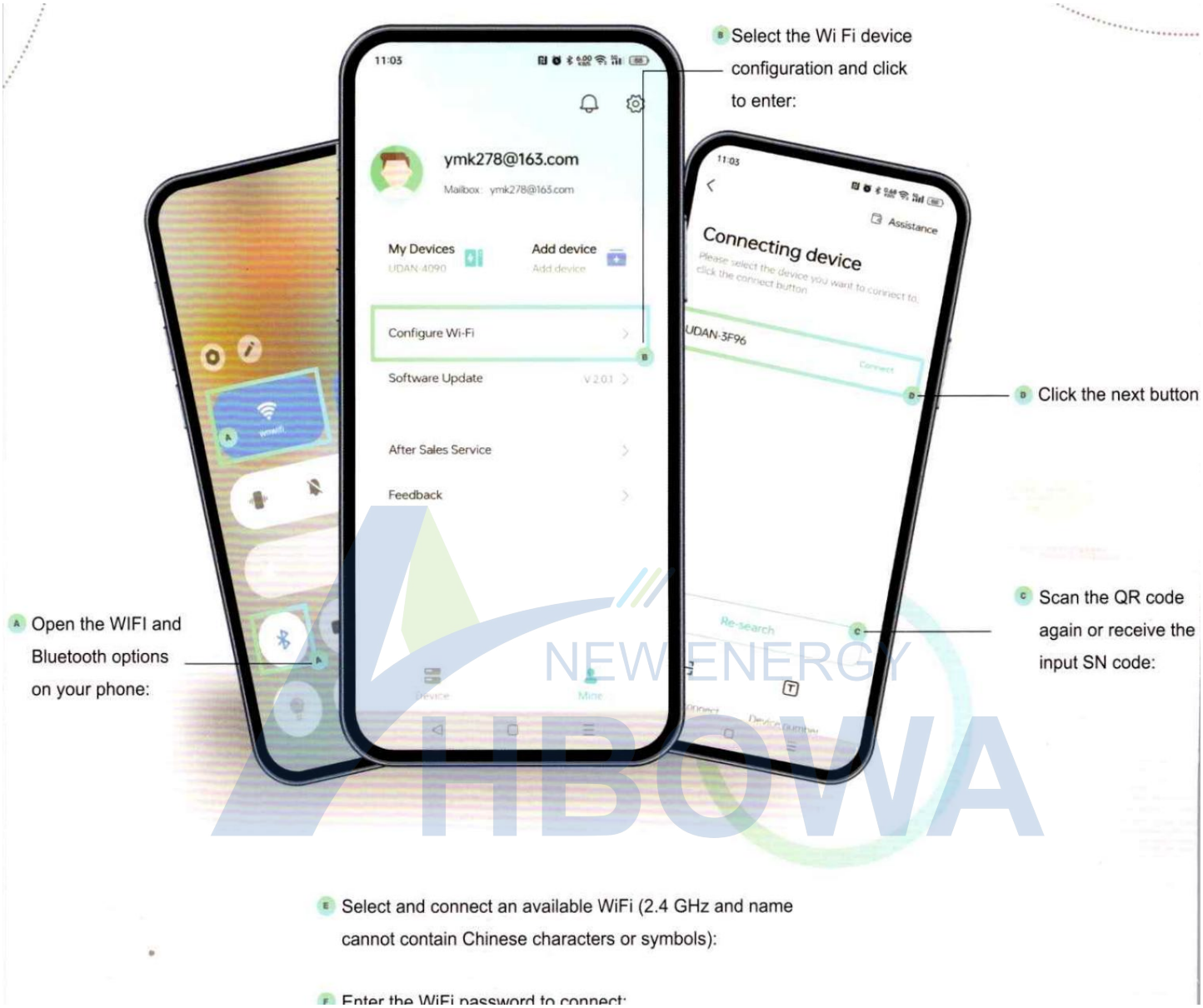
SN: 727E8K01001

BT_MAC: B4EDD527E766

WIFI_MAC: B4EDD527EB51

Note: This sticker is on the side of the

PDU control box (The pictures are for reference only, please refer to the actual product)



- Open the WIFI and Bluetooth options on your phone:
- Select the WiFi device configuration and click to enter:
- Click the next button to enter:
- Scan the QR code again or receive the input SN code:
- Select and connect an available WiFi (2.4 GHz and name cannot contain Chinese characters or symbols):
- Enter the WiFi password to connect:

Check WiFi parameters to ensure that WiFi is 2.4GHz, otherwise it may cause connection failure;

If the connection speed is below 100Mbps, it may cause poor internet speed.

CONNECTION COMPLETED, CHECK STATUS

VIEW CLICK COMPLETION STATUS

After successful connection, you can check the operating status of the battery system