BMS Smart IoT Platform User Manual V1.0

Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.

1. Platform Overview

The MK Group BMS Smart IoT Platform enables users to monitor the real-time location of batteries, making it an ideal solution for location-based services. Integrating IoT and GIS technologies, the platform supports multiple positioning methods, including GPS, Beidou, LBS, and Wi-Fi, ensuring autonomous and controllable data and providing users with accurate and reliable location tracking. Anytime, anywhere, MK Group helps users efficiently manage assets and improve operational safety and efficiency.

2.Login

Visit [https://bms.mkenergyservice.com/] to access the login page. Enter the correct username and password to log in. Account registration must be done through the administrator—self-registration is not currently supported. If a regular user forgets their password, they should contact their administrator to reset it. If an admin forgets their password, they must contact MK Group's platform administrator for reset.

3. BMS Dashboard

This feature is designed to meet enterprise data visualization needs, making it suitable for displaying key indicators and operational status. The dynamic, interactive large-screen display enables decision-makers to monitor complex data in real time and make quick, informed decisions. Whether it's monitoring battery status, analyzing operational efficiency, or showcasing performance, the BMS Dashboard is an ideal tool for enhancing enterprise transparency and decision-making.

How to operate: [Login → BMS Dashboard]

Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.

4. Device Management

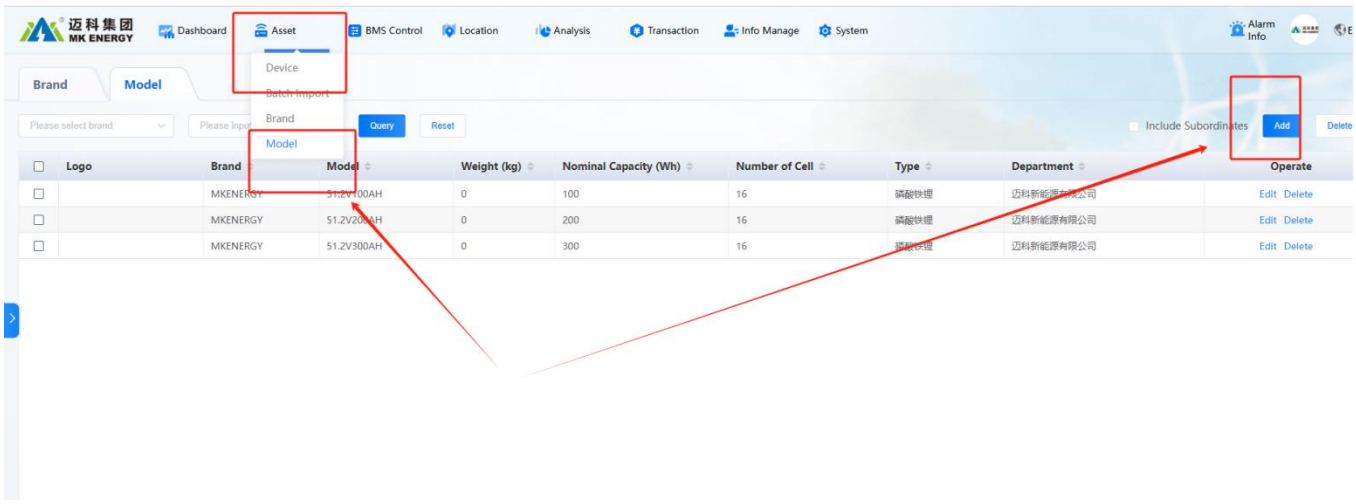
4.1 Battery Brand

When creating a device, battery parameters like brand and model are required to allow precise calculations such as range estimation and SOC.

How to operate: [Device Management → Battery Brand → New → Fill in Information → Confirm]

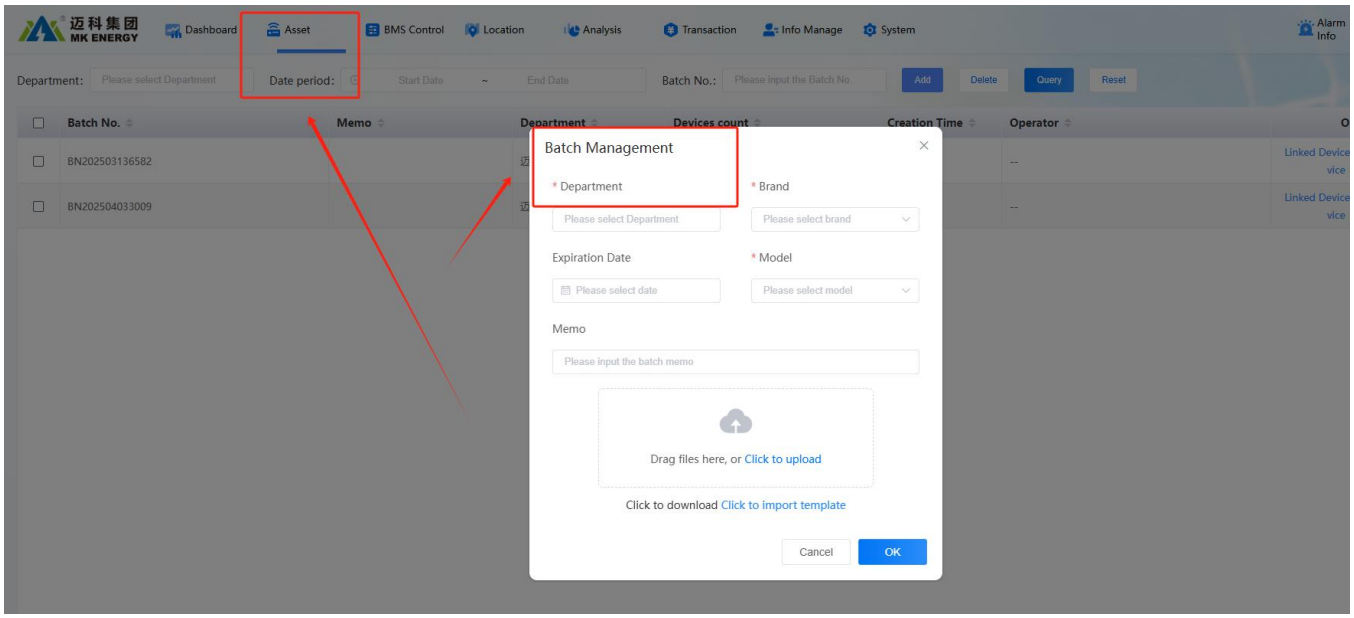
4.2 Battery Model

How to operate: [Device Management → Battery Model →Add → Fill in Information → Confirm]

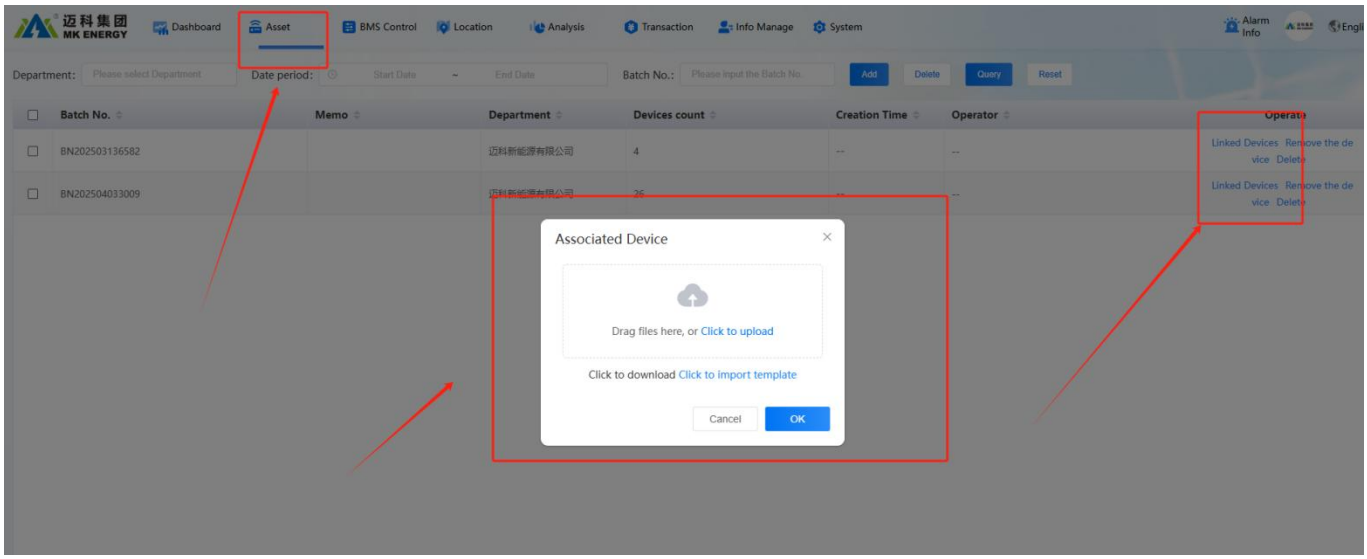


4.3 Device Batch Number

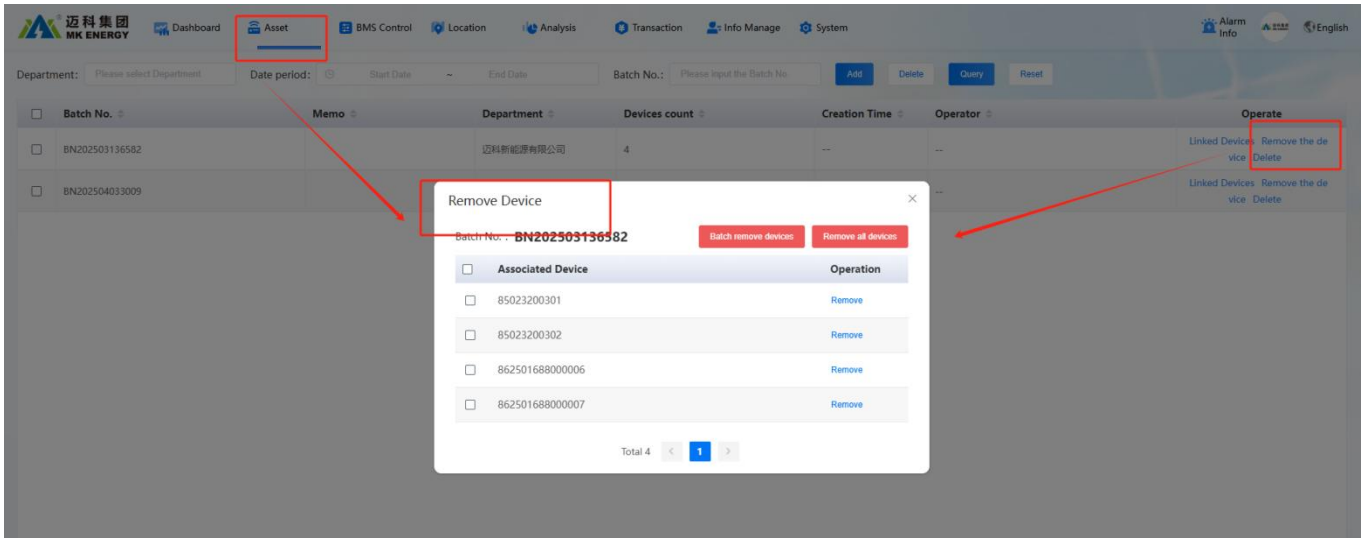
Due to varying device access quantities and the need for renewals after expiration, batch number management helps simplify the renewal process by grouping devices under the same batch number.



How to operate: [Device Management → Batch Management → Add → Fill in Information → Confirm]



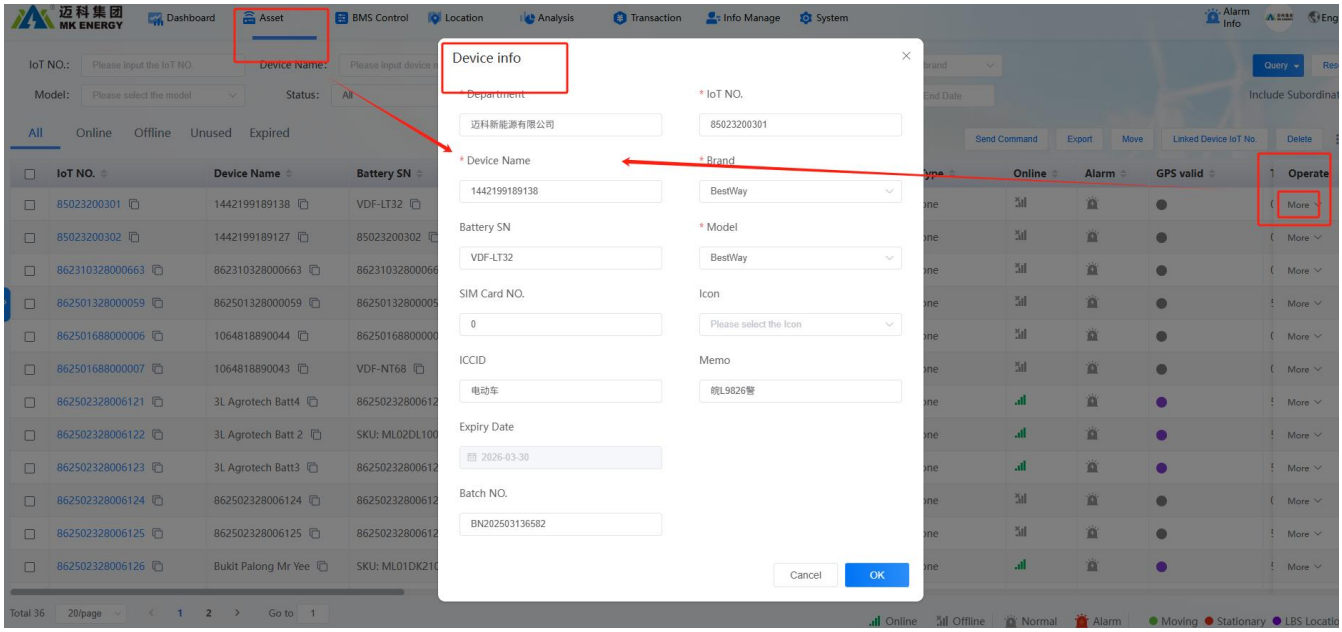
Associate Devices: [Batch Management → List → Associate Devices → Upload XLSX → Confirm]



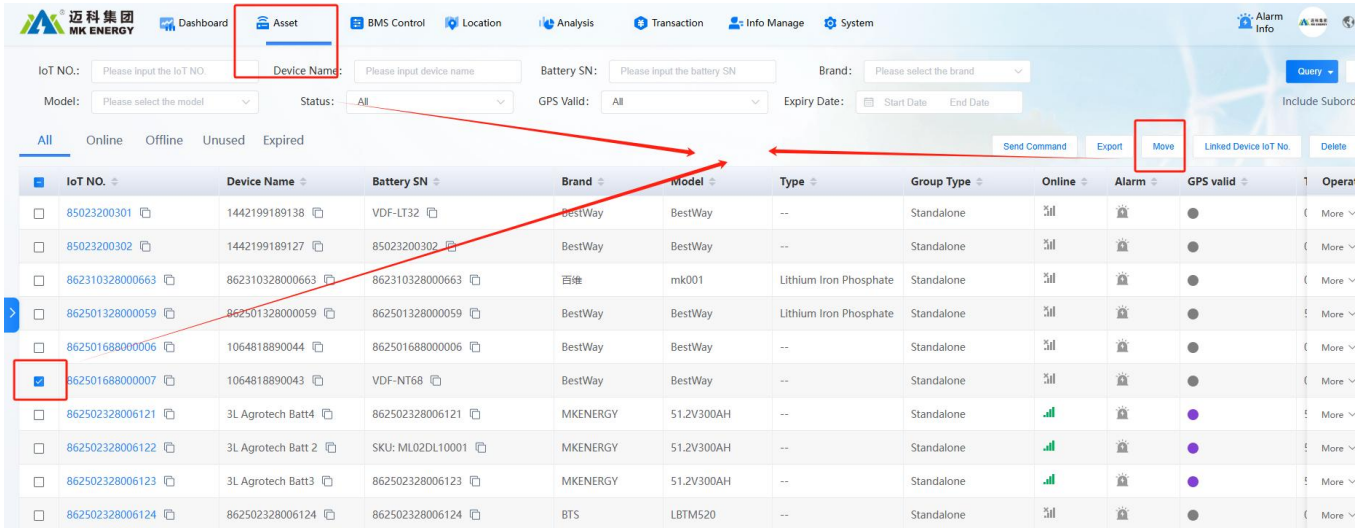
Remove Devices: [Batch Management → List → Remove Device → Remove / Bulk Remove / Remove All Devices]

4.4 Device Management

All devices can be viewed, added, or edited in this section.



How to operate: [Device Management → Device Management → New → Fill in Information → Confirm]



Migrate Devices: [Device Management → Device Management → Select Devices → Assign New Operator → Confirm]

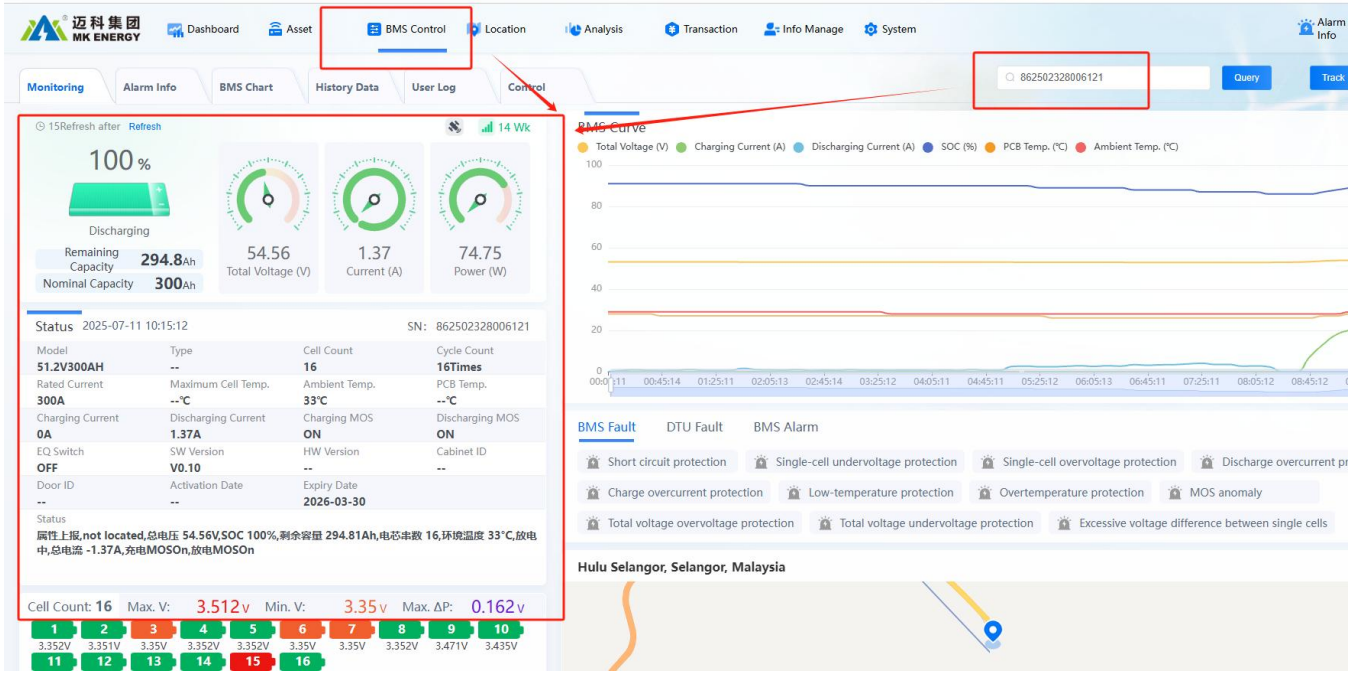
5. BMS Control

This section displays device information such as SOC, cells, location, faults, and battery status.

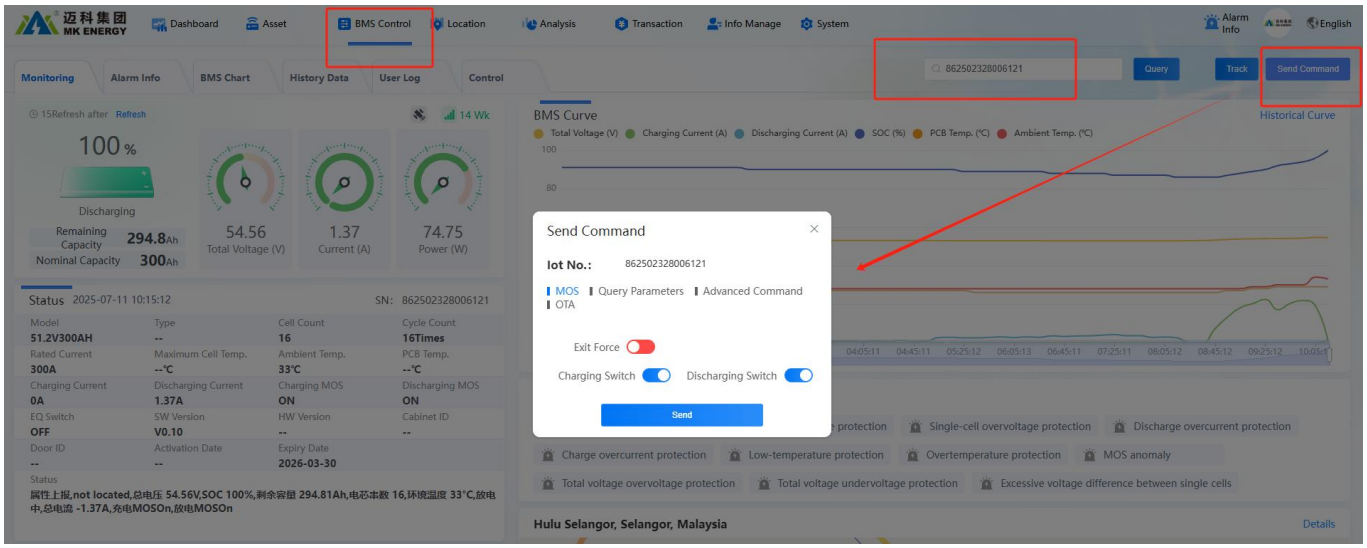
Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.



Real-Time Monitoring: [BMS Control → Real-Time Control]

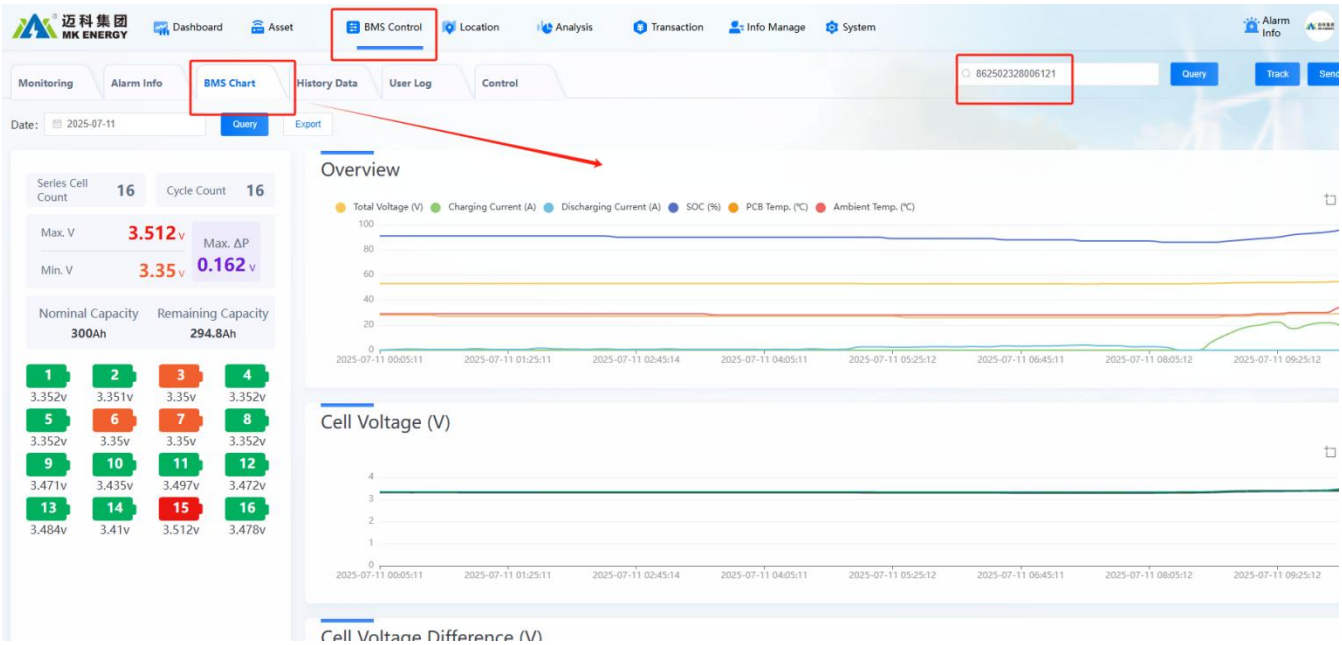


Send Command: [Device Management → Device Management → Send Command → Confirm]

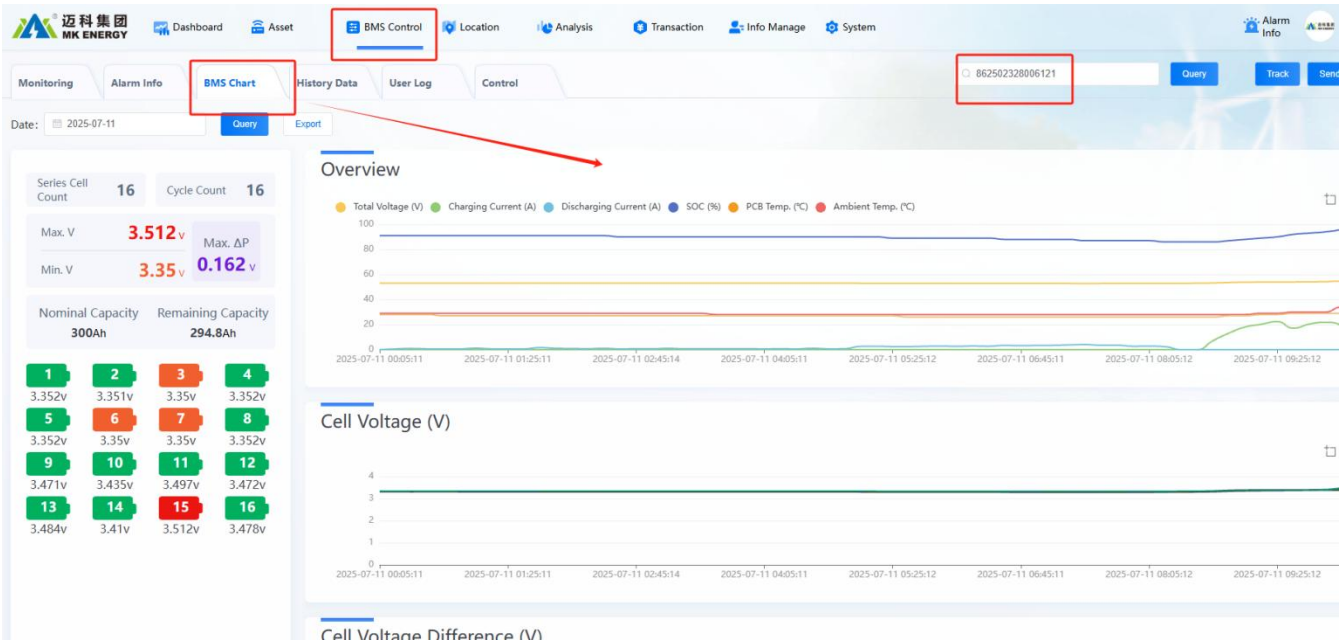
Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.



BMS Chart: [Device Management → Device Management → BMS Chart]

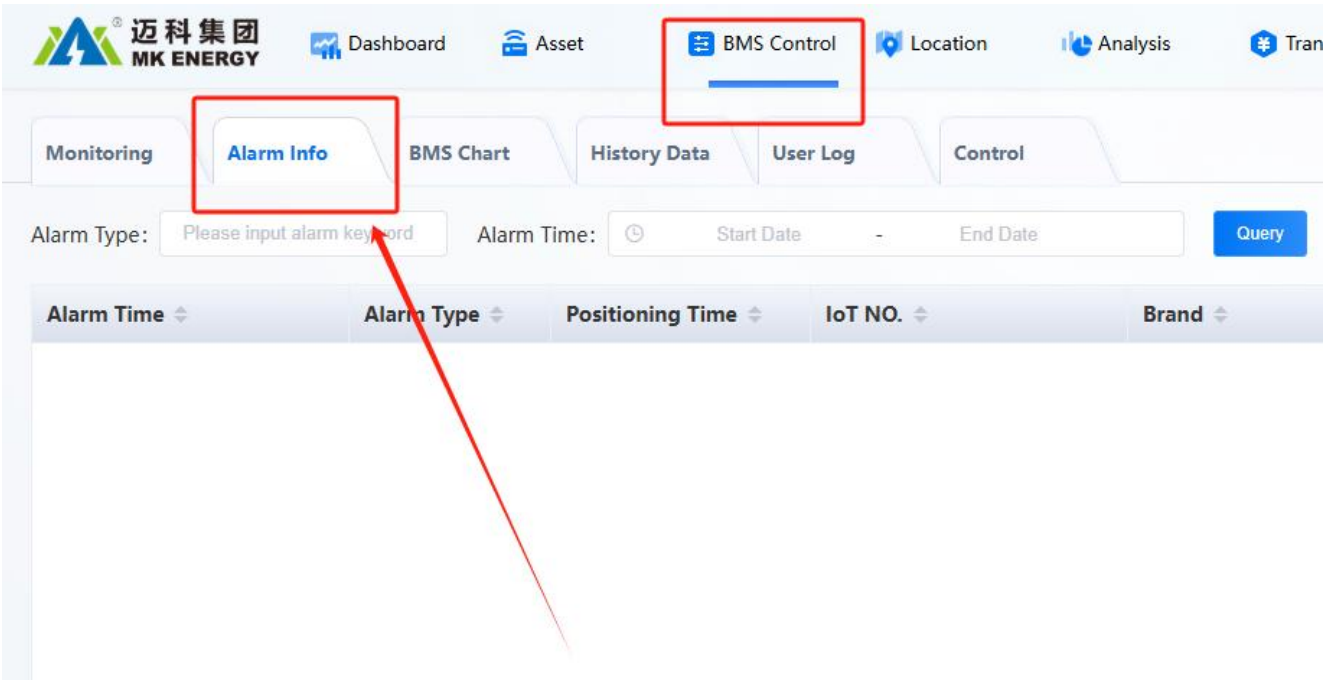


User Logs: [Device Management → Device Management → User Log]

Web: www.mkenergycn.com

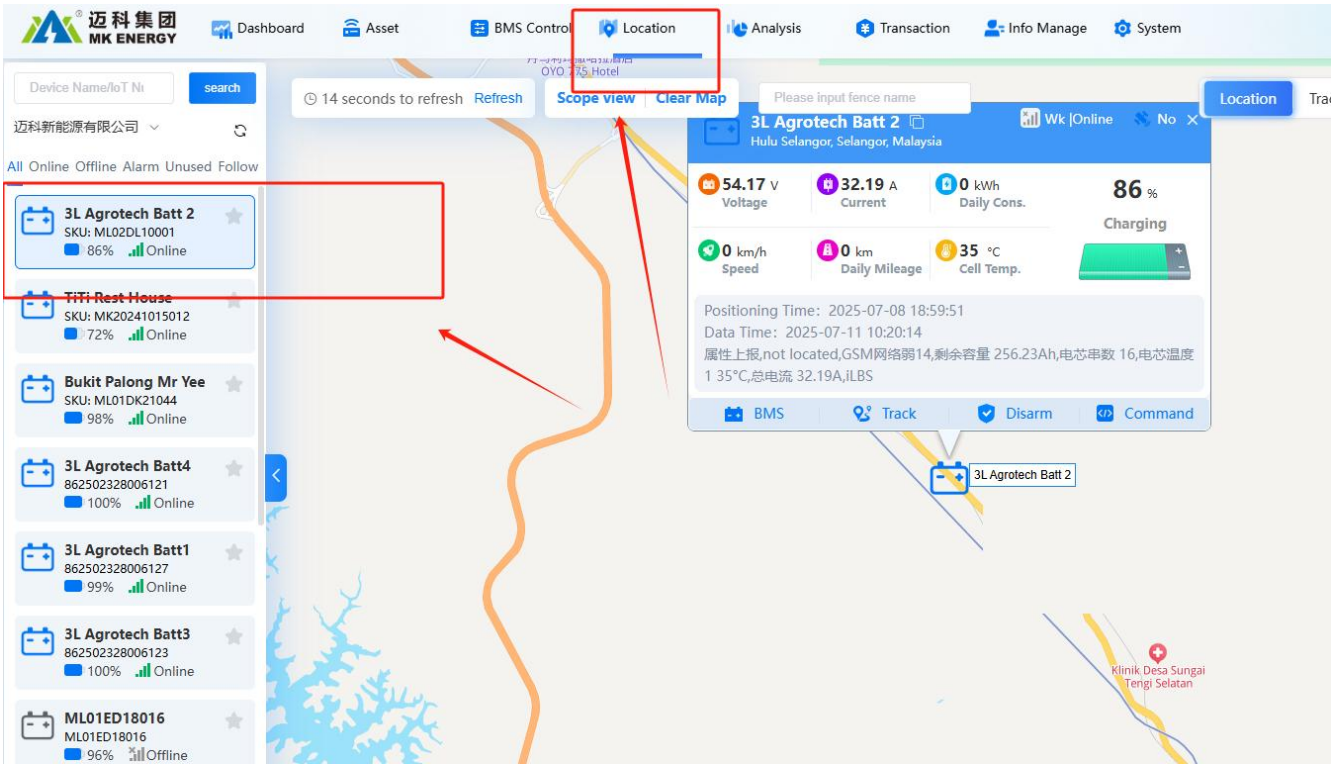
Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.



Alarm Info: [Device Management → Device Management → Alarm Info]

6. Location Services



Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.

6.1 Positioning

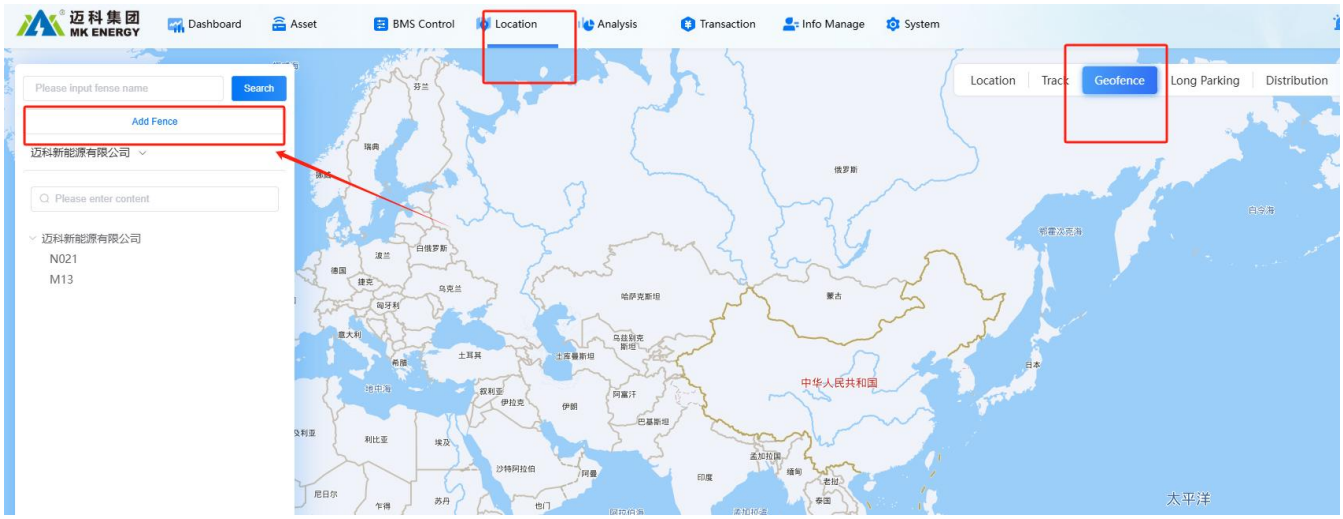
Used to query device location on the map with data display and command-sending options.

How to operate: [Device Management → Location Services]

6.2 Track

Used to view device location and trajectory through real-time data, with command-sending options.

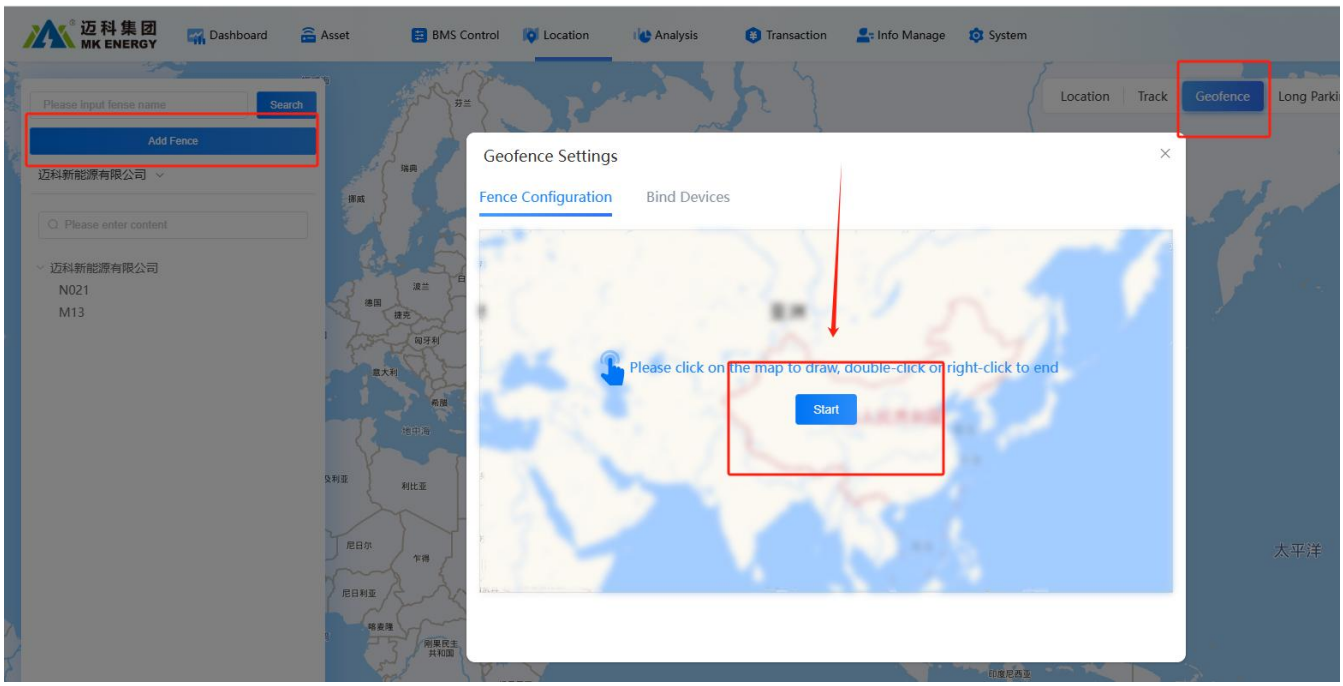
How to operate: [Device Management → Track]



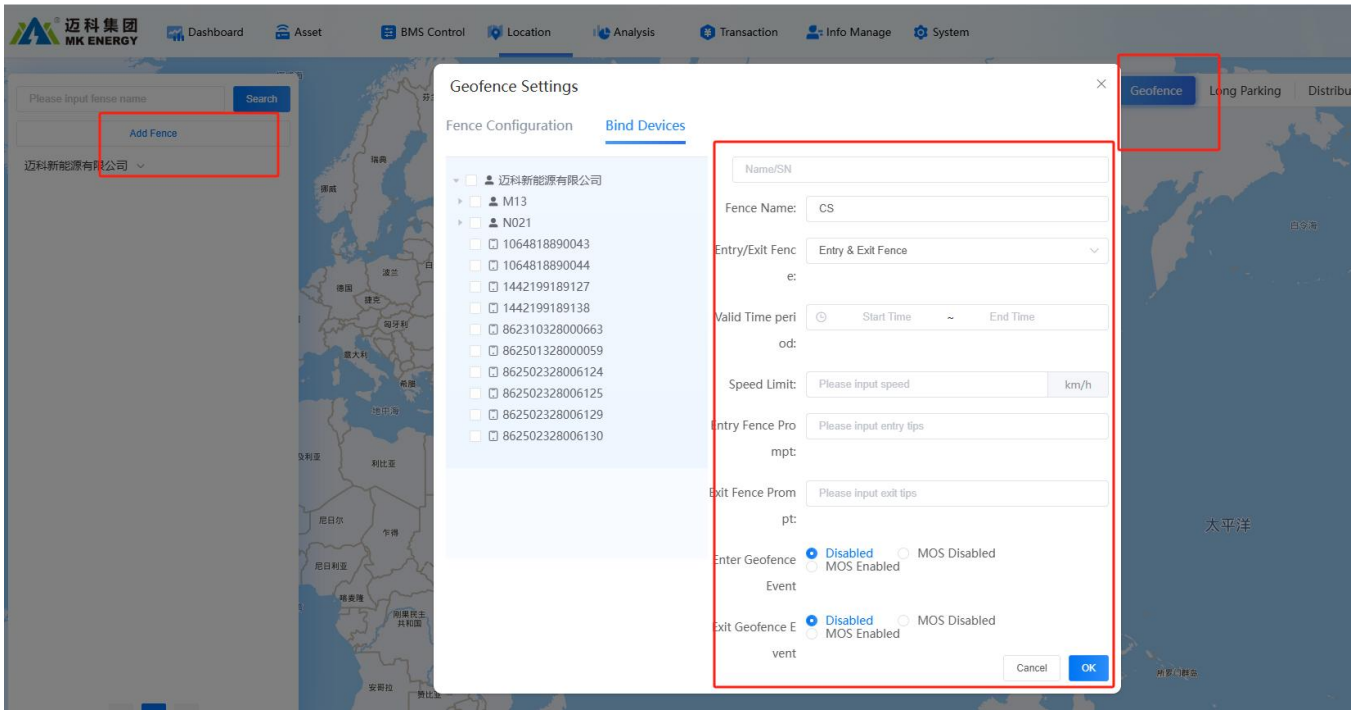
6.3 Geo-Fence

Restricts devices to operate within a set area. Exceeding this area triggers alarms for user action.

How to operate: [Device Management → Geo-Fence]



Create Fence: Set boundaries for a device, triggering alarms when entering/exiting.



Associate Devices: Bind devices to a geo-fence for alarm triggering when moving in/out.

Web: www.mkenergycn.com

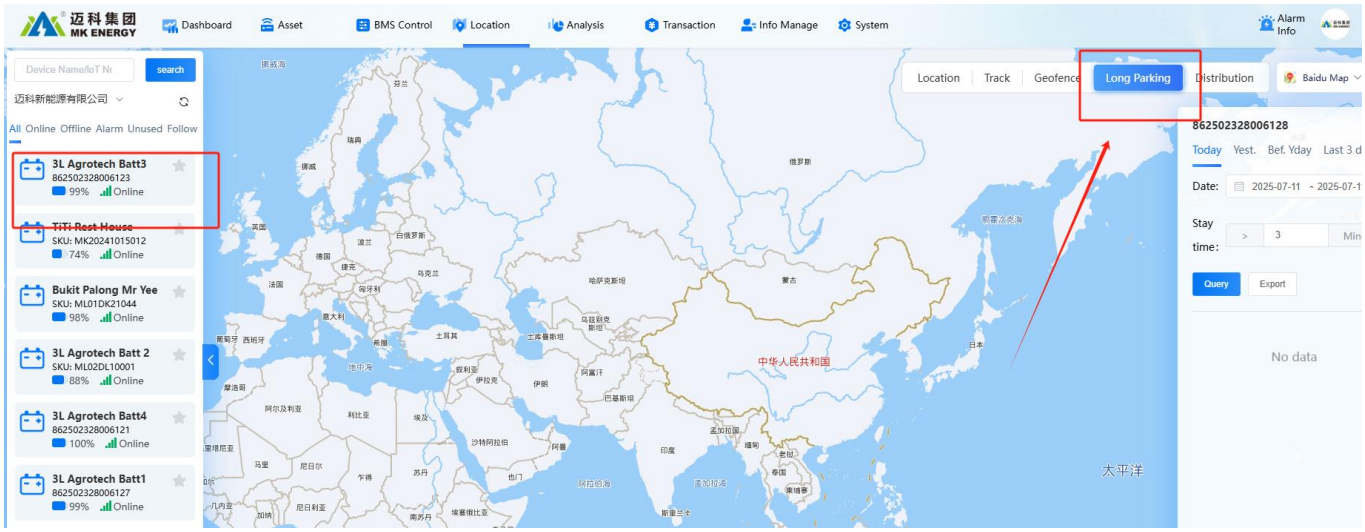
Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.

6.4 Frequent Stop Points

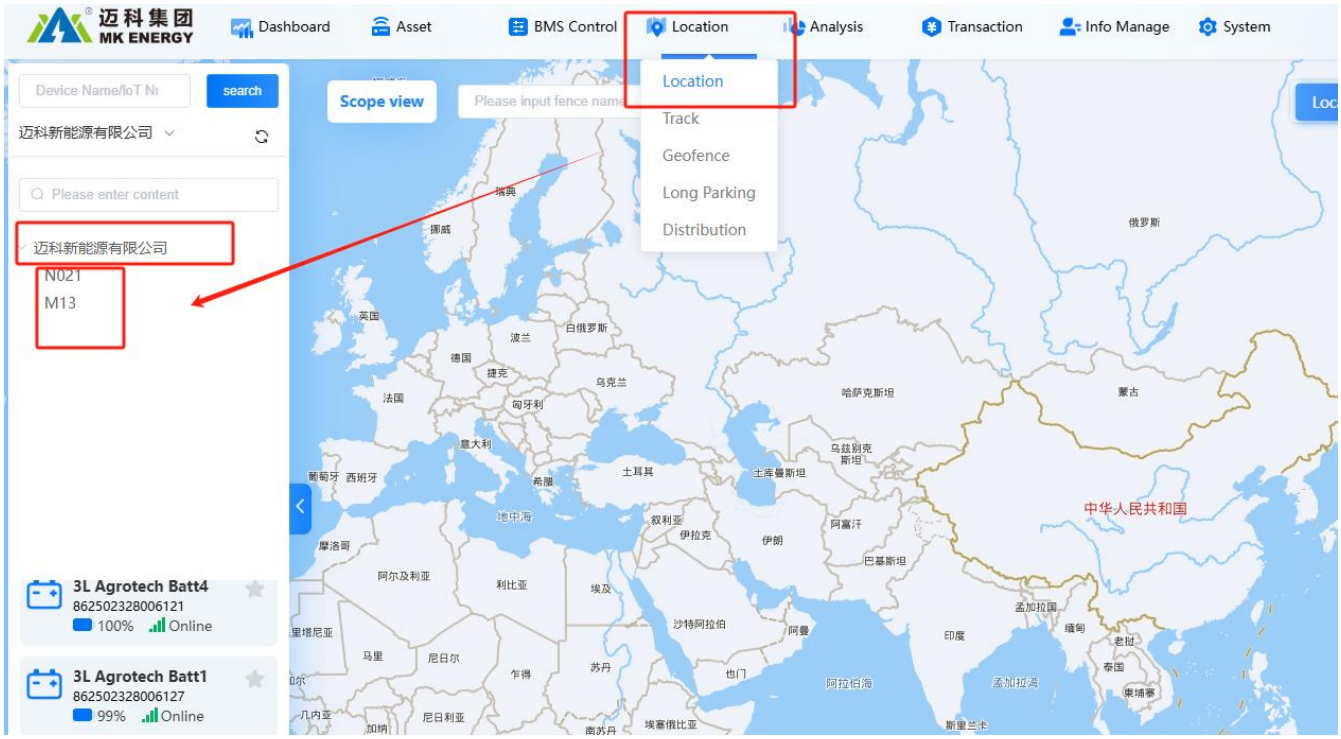
Records where and how long a device stops during movement.

How to operate: [Device Management → Frequent Stop Points]



6.5 Battery Distribution

Visualizes battery distribution globally using map-based dots—ideal for business analysis.



Web: www.mkenergycn.com

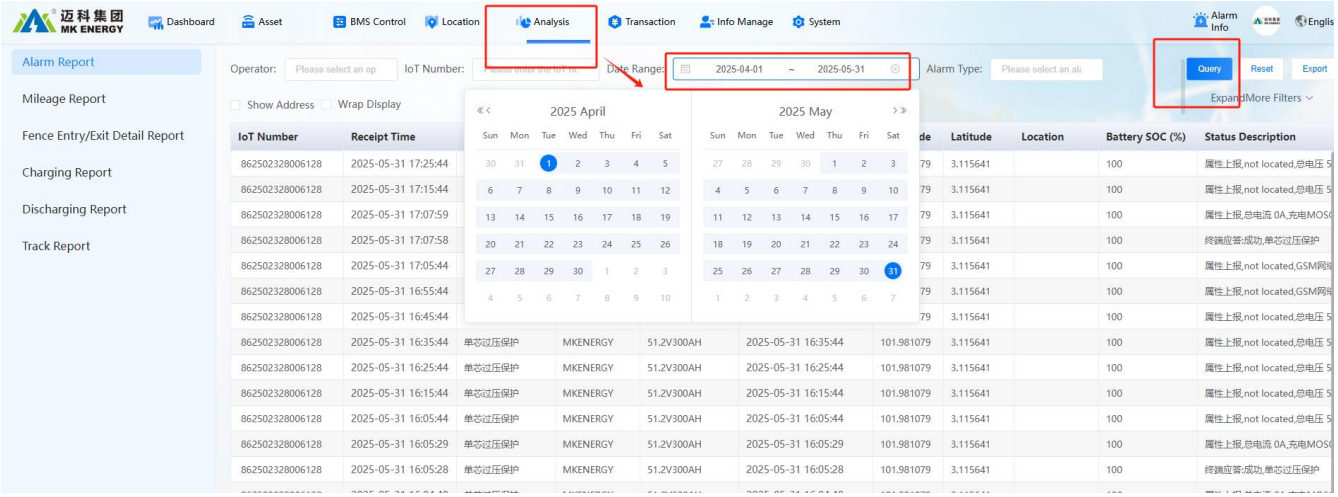
Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.

7. Statistical Analysis

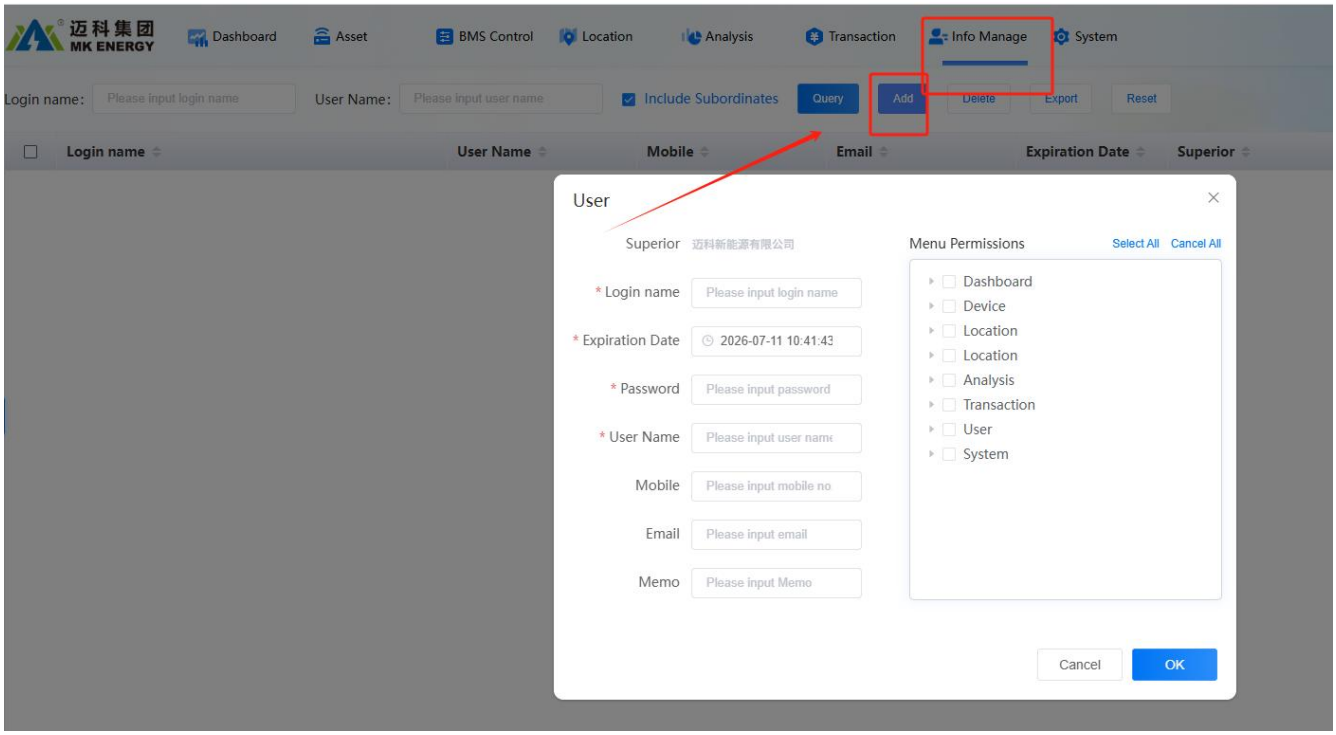
Analyzes battery data to identify issues or conduct research.

How to operate: [Device Management → Statistical Analysis]



8. Mobile User Management

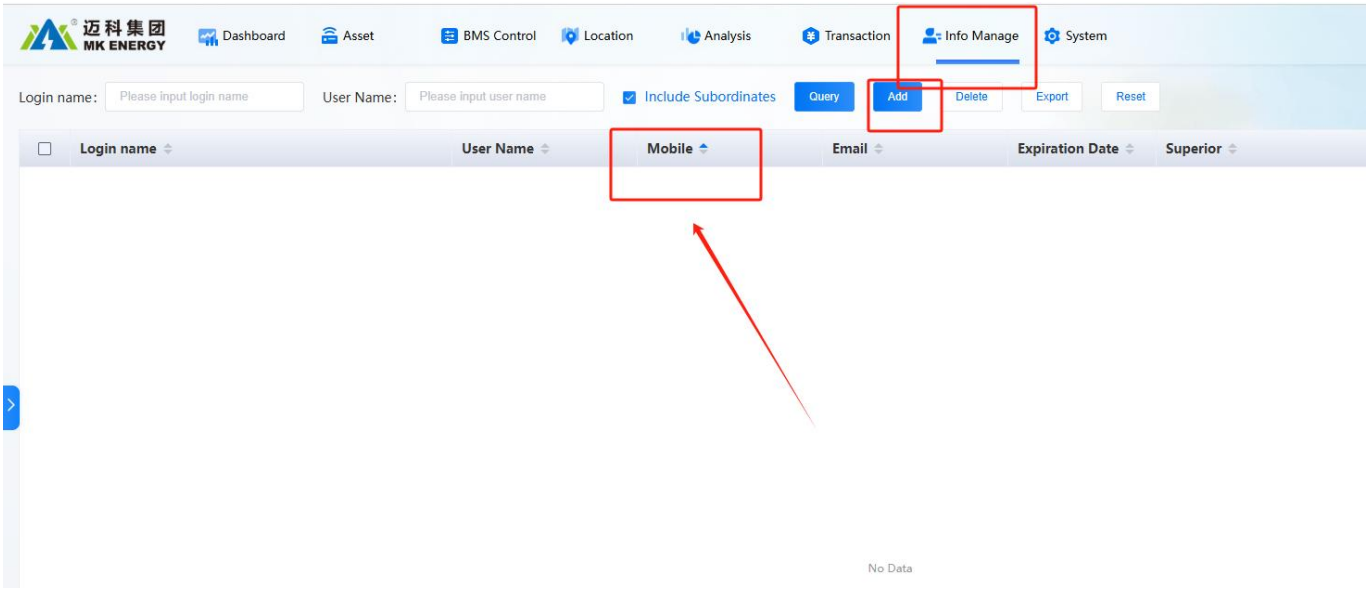
Manages APP users including enabling/disabling accounts, viewing bound devices, and checking renewal status.



Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.



Enable/Disable Mobile Users

View Bound Devices

View Renewal Records

Web: www.mkenergycn.com

Email: sales@mkenergycn.com

Sales Center:1806,Building F, Nanshan Wisdom Valley Industrial Park.Shahe West Road, Nanshan District, Shenzhen, China.