Online Monitoring

Web Server

Installers User Manual

V02

IMPRINT

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Dec. 13th, 2018

Copyright Statement

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Version Information

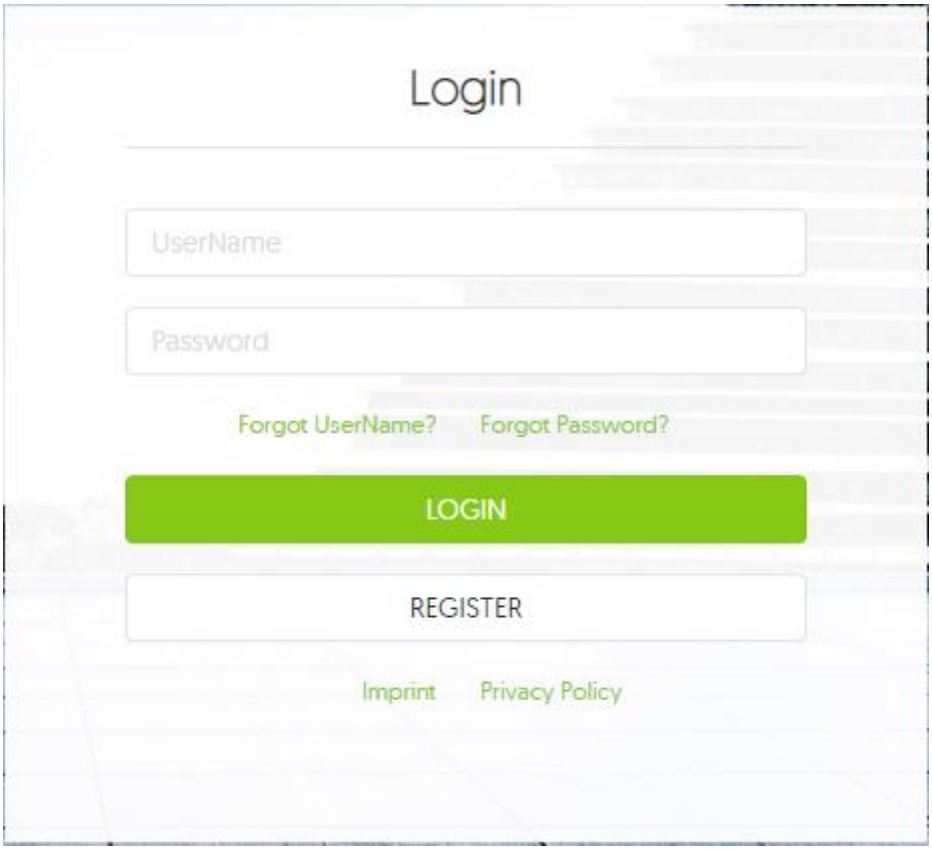
Version	Date	Content
V02	Dec. 13th, 2018	Update

Content

IMPRINT 1
Copyright Statement 2
Version Information 2
Content 3
1. Login Interface 5
2. Homepage 8
2.1 Information Summary 8
2.2 Map 10
2.3 System Data 11
3. List of Storage Systems 12
3.1 System Info 12
3.2 Power Diagram 14
3.3 Statistical Diagram 15
3.4 Profit Diagram 16
3.5 System Setup 17
3.6 Installation Record 18
3.7 Running Log 18
3.8 Data Analysis 19
4. Communication Data Management 19
4.1 Report Data Export 19
5. Storage System Maintenance 20
5.1 Install New System 20
5.2 Installation Record 20
5.3 System Failure Check 21
5.4 Associate Additional System 21
6. Other Information 22
6.1 System Summary Information 22

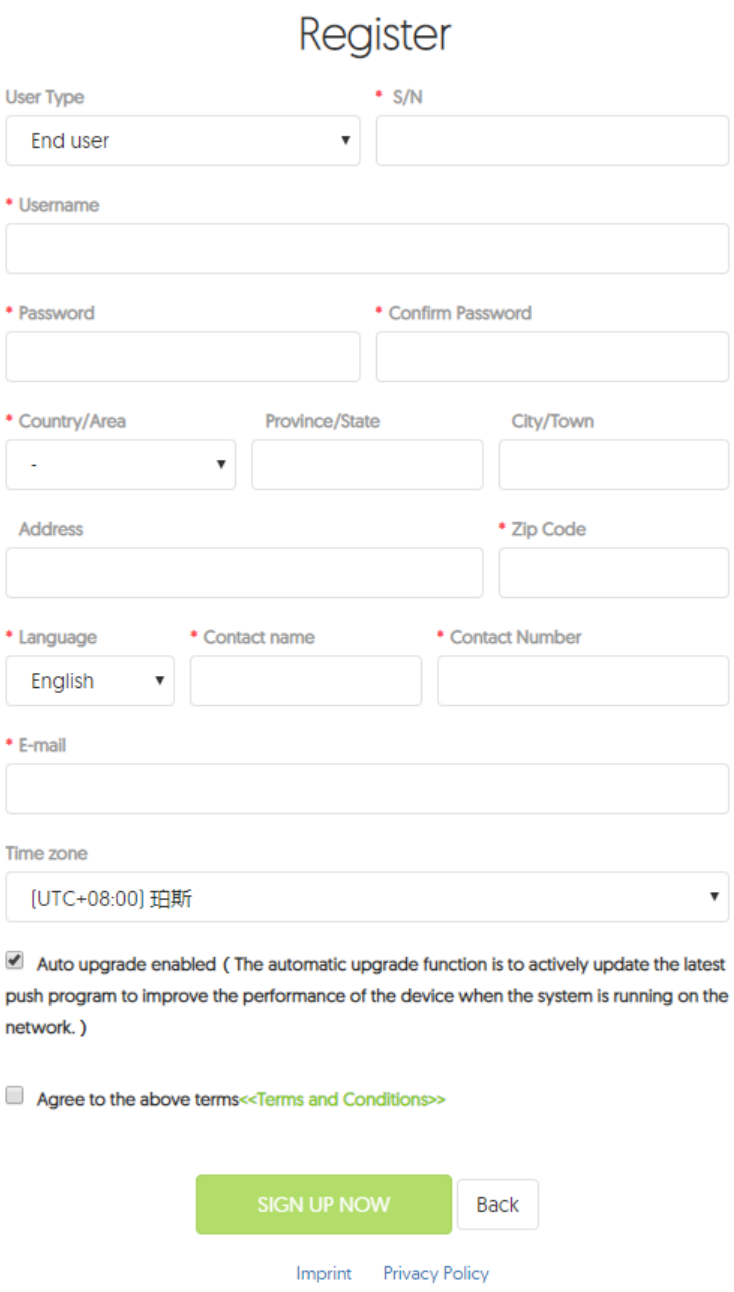
7. Basic Settings 22
7.1 Notifications 22
7.2 User Information Settings 23
7.3 Change Password 23
8. Customer Feedback 24
9. Imprint 24
10. Privacy Policy 24
11. Select Language and Logout 24

1. Login Interface



Enter the username and password, then click “Login” to jump to the home page. There will be a prompt after a failed login.

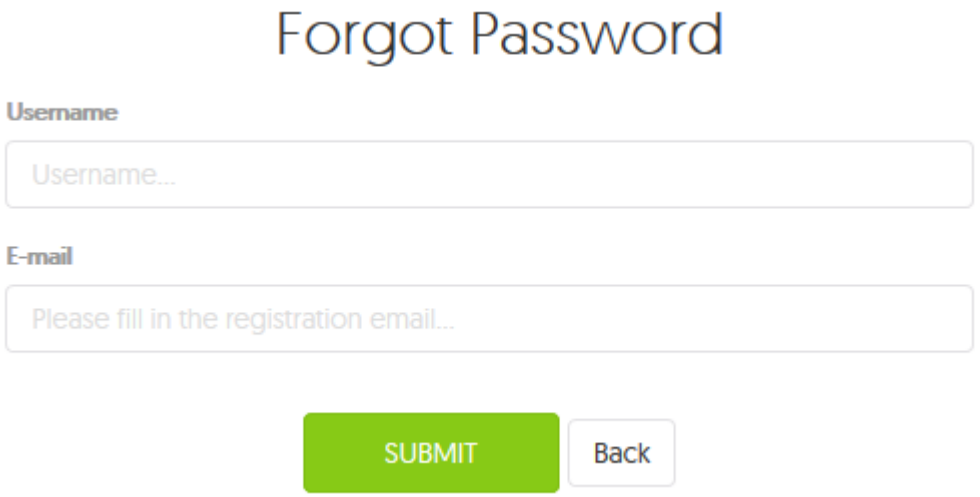
Users who haven't yet registered need to click “Register” to visit the registration page: (as shown below)



Boxes followed by a "*" mark must be filled, and the contents you fill must consist with the facts. Registered users come in 2 types: end users and installers. Please choose between them according to the actual situation. Then you can check whether you need auto upgrade or not according to your own situation. Then Click "Login" to go to the login page.

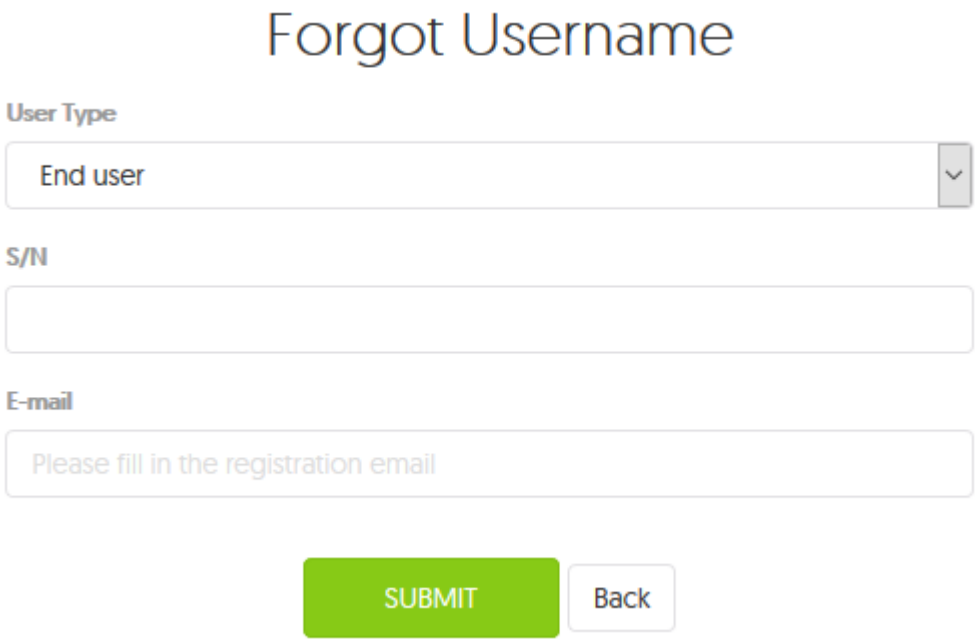
You can select the language in the upper right corner of the page. Chinese, English and German are available at present.

If you have forgotten your password, click “Forgot Password?” on the login page.



After submitting the required information, an email to retrieve your password will be sent to your mailbox. Follow the prompts to modify your original password, then click “Back” to jump to the login page.

If you have forgotten your username, you can click “User Name Forgot?” on the login page.



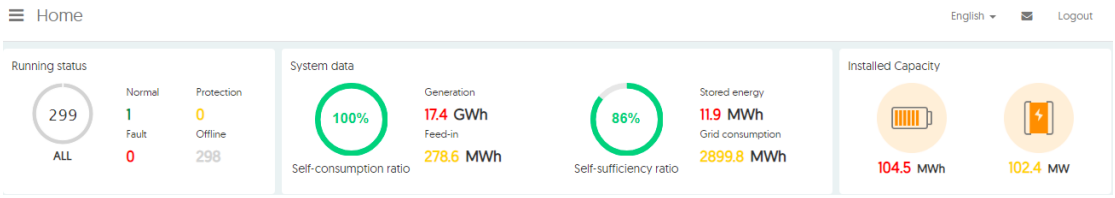
After submitting the required information, an email to retrieve your username will be sent to your mailbox. Click “Back” to jump to the login page.

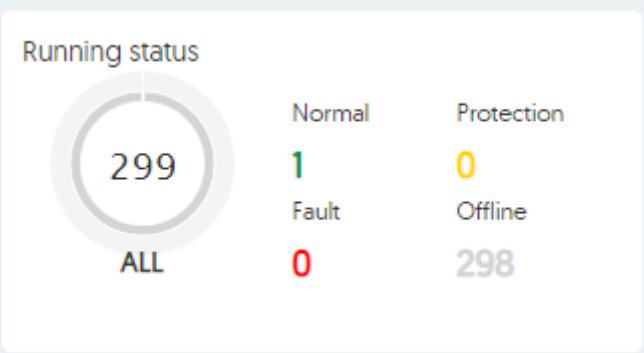
2. Homepage

2.1 Information Summary

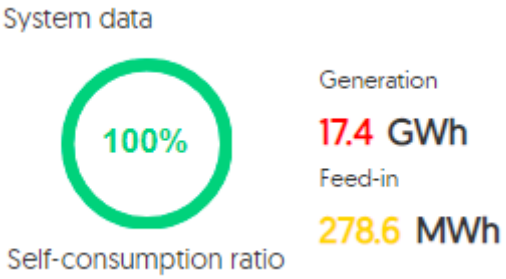
The summary of homepage information (as shown below).

From left to right, running status, system data (including self-consumption ratio, self-sufficiency ratio), installed capacity details.



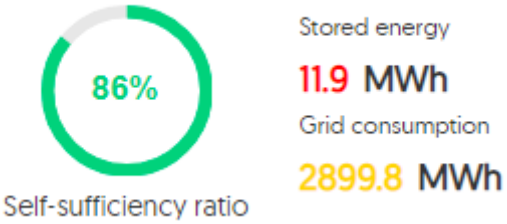


Four running statuses— Normal, Protection, Fault, Offline (As shown in the above picture)



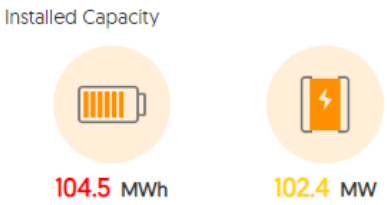
System data: users' Self-consumption ratio (as shown in the above picture)

Self-consumption ratio: (PV total generation- total electricity sold）/ PV total generation



System data: users' Self-sufficiency ratio (as shown in the above picture)

Self-sufficiency ratio: (Load total consumption – total grid consumption) / Load total consumption



Equipment installed capacity (as shown in the above picture)

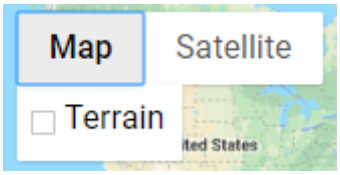
The picture on the left is the installed capacity of the batteries.

The picture on the right shows the rated power of the inverters.

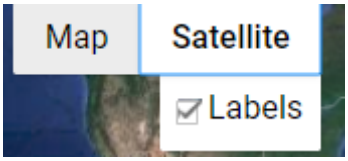
2.2 Map

The points shown in the figure are distribution information of end users.

Terrain under the map can be checked (as shown below).



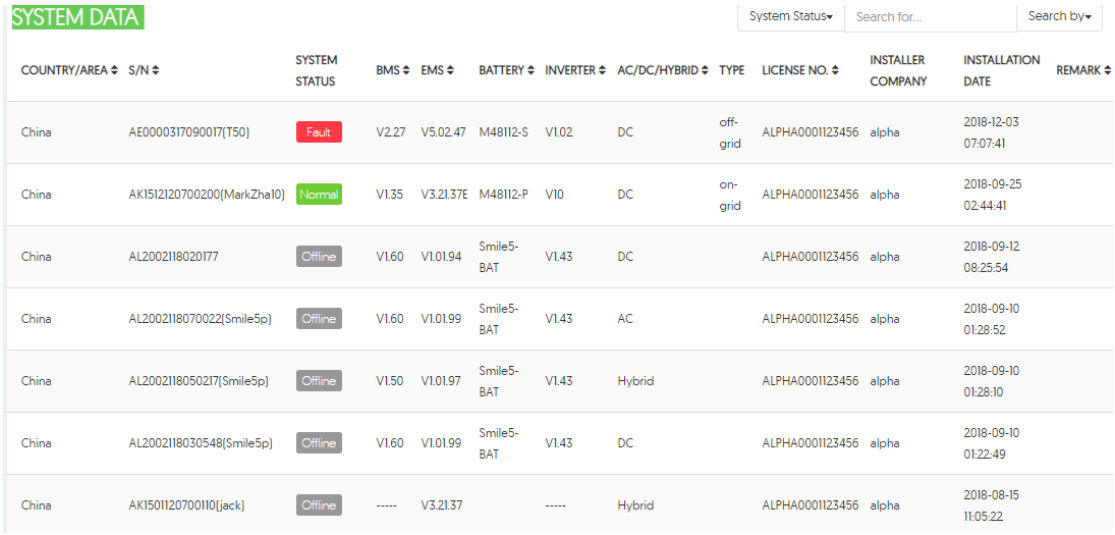
Satellite maps with labels can also be checked (as shown below).



Click the map information on the right, then a message prompt panel will show up. Click the s/n data on the information panel to jump to a new page of system's detailed information (as shown below).

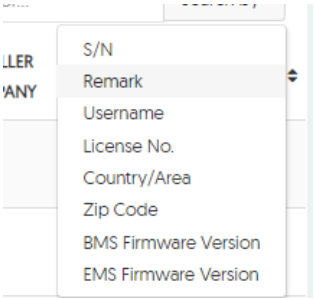
There is a map zoom in and out button in the lower right corner of the map (as shown below).

2.3 System Data



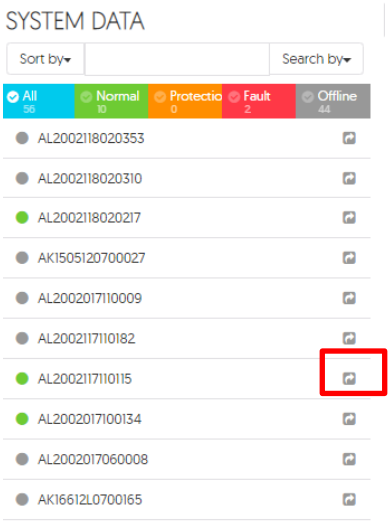
System data management (fuzzy queries is available): the query conditions include system S/N, remarks, user name, license NO., country/area, zip code, BMS firmware version, and EMS firmware version.

The query conditions are as shown below:

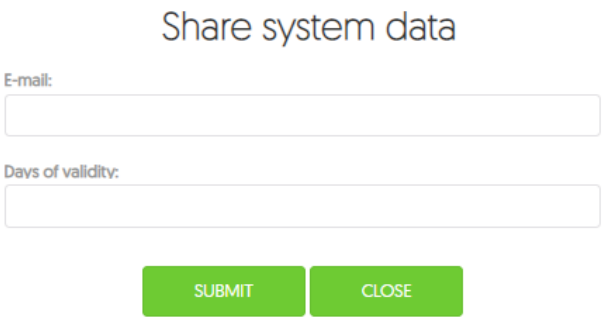


3. List of Storage Systems

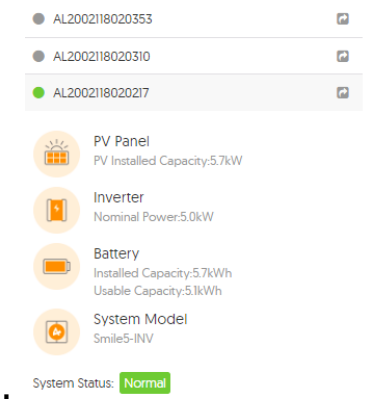
3.1 System Info

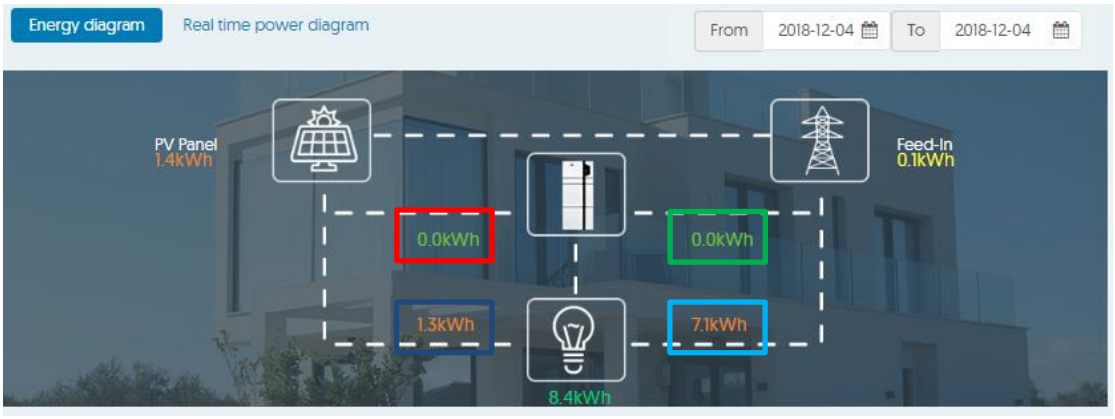


The red part of the button is a share button, click it, and the page jumps to the shared personal information page. The email address is the email address of the sharer, as shown below:



Click each system to view system information.





The above figure shows the total energy graph, which can be queried according to the start time and end time;

Description:

i. Solar Module (1.4kWh): Total solar generation

Ii. Feed-in (0.1kWh): Total feed-in electricity

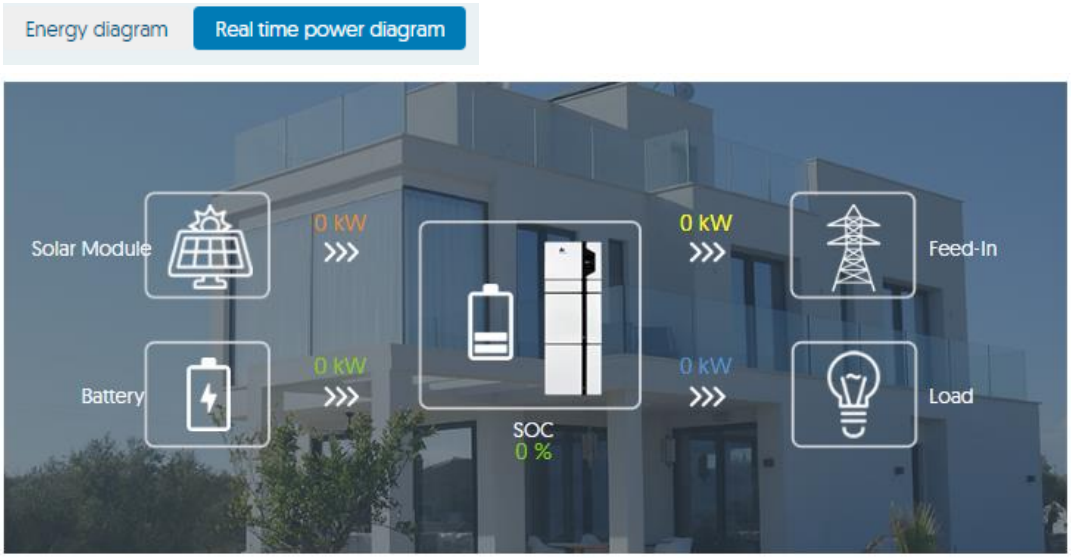
Iii. Red box 0.0kWh: PV charges the battery

Iv. Green box 0.0kWh: The grid charges the battery

V. Blue frame 1.3 kWh: Load consumption from PV

Vi. Cyan frame 7.1kWh: Load consumption from grid

Vii. 8.4kWh: Total load consumption



Only SMILE series products have this function.

The above figure shows the real-time power map (if the system supports the latest features);

Description:

i. 0 kW (orange): Total solar generated electricity real-time power

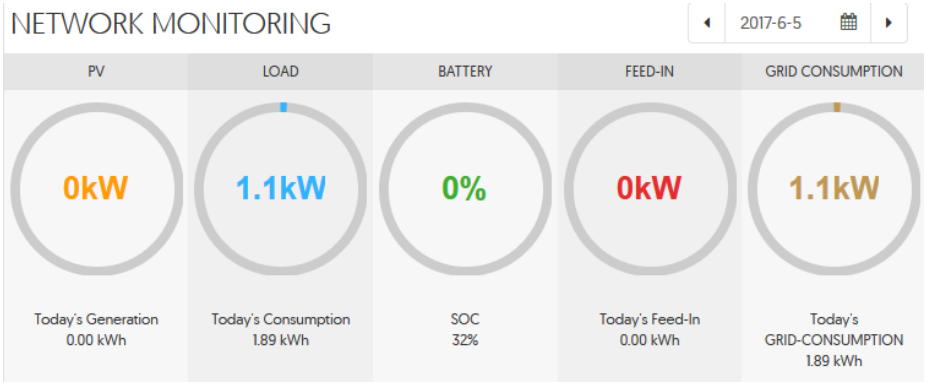
Ii. 0 kW (yellow): Total feed-in (grid-consumption) real-time power

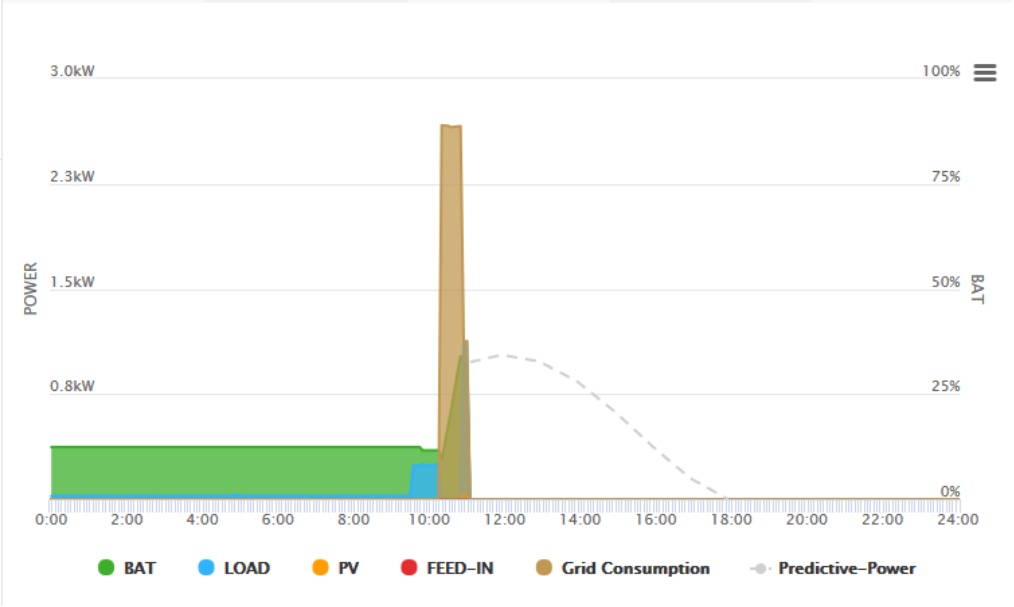
Iii. 0 kW (green): Battery charging and discharging real-time power

Iv. 0 kW (blue): Load real-time power

v. 0 % (SOC): Remaining battery capacity

3.2 Power Diagram





Click the power diagram on the home page, to view the power map for a specific time period as shown in the above figure.

Description:

Orange (PV): PV generated electricity power

Blue (LOAD): Load power

Green (BATTERY): SOC (battery remaining capacity)

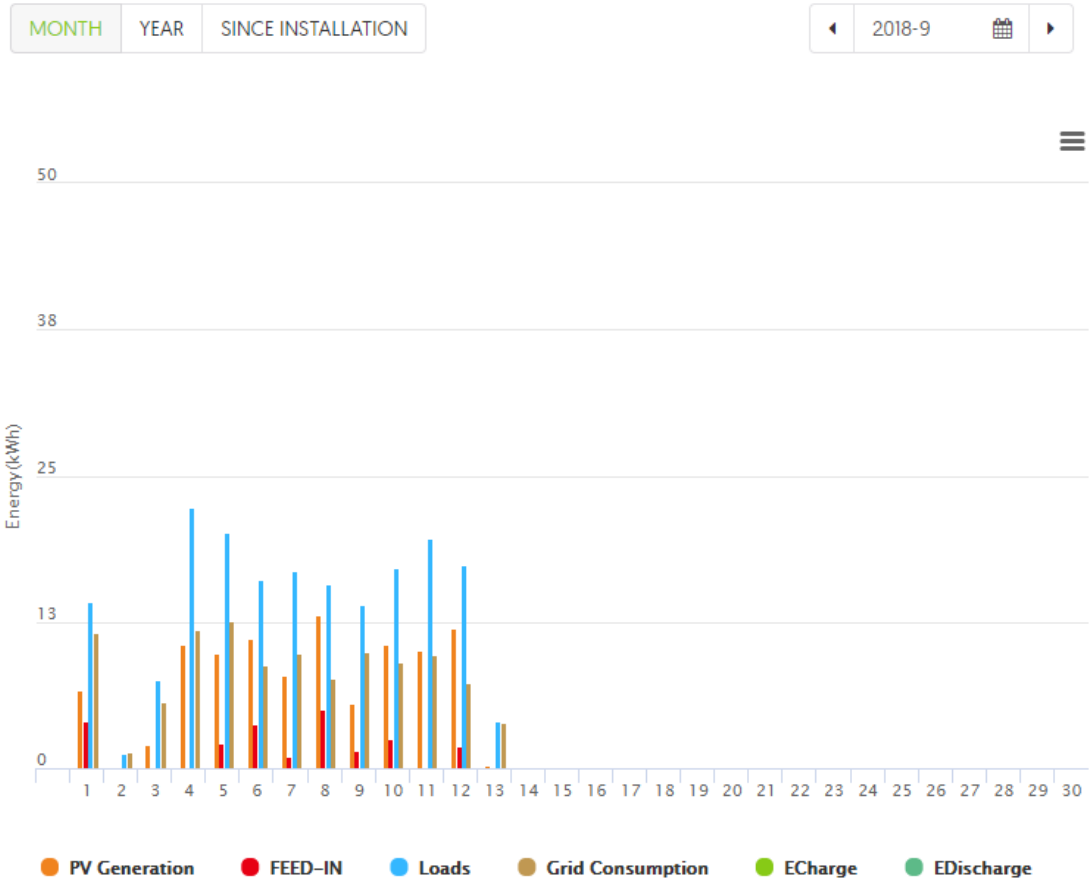
Red (FEED-IN): grid feed-in power

Brown (Grid Consumption): Actual power of the grid supply

Users can choose the date in the upper right corner to query the power data of a certain day.

The diagram of a certain period can be zoomed in.

3.3 Statistical Diagram



Click to check the S/N account. Click the home page graph to view the chart for a specific time period. Description:

Three ways to calculate, namely, by month, by year, or since the day the system was installed.

Orange (PV Generation): Total PV generation

Red (Feed-in): Total grid feed-in electricity

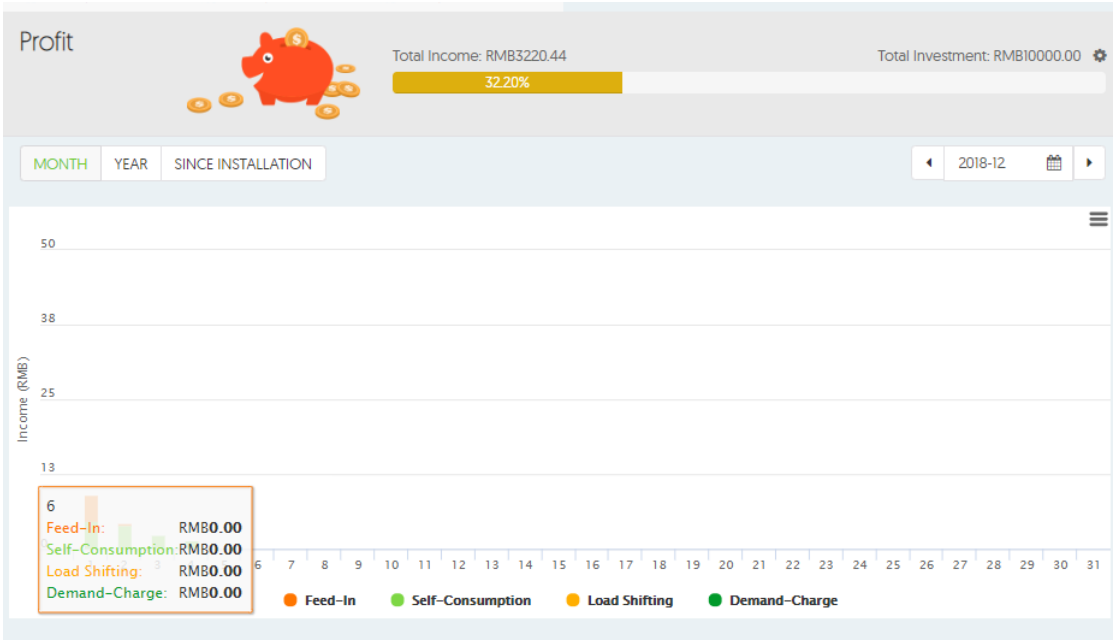
Blue (Loads): Total load consumption

Grid Consumption: The electricity purchased from grid

Green (ECharge) : Total battery charging energy

Cyan (EDischarge) : Total energy battery discharge

3.4 Profit Diagram



Click to check the S/N account. Click the home income graph to view the income for a specific time period.

Description:

The income chart can also be calculated monthly, yearly, or from the day of installation; Total Income: Total Income; Total Investment: Total Input Cost (this value can be set by clicking the button next to it); Progress bar is the ratio of total income to total cost.

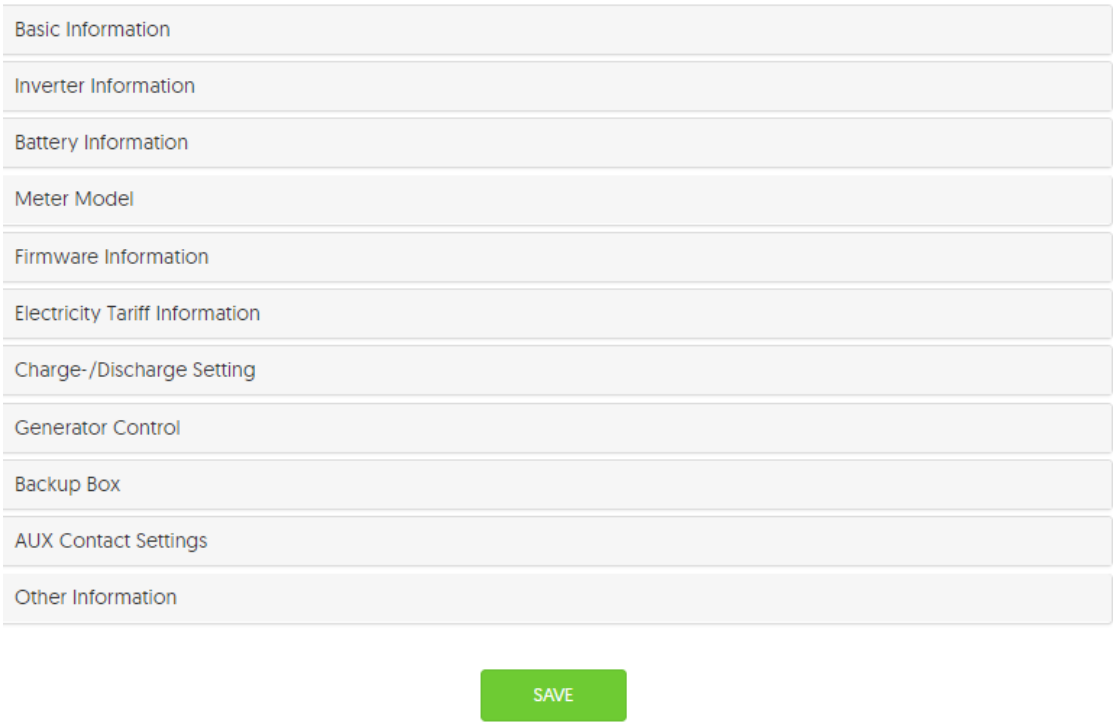
Feed-in: Income from grid feed-in, if there is a feed-in tariff.

Self-consumption: Income from PV-generation

Load shifting: Income from charging the battery at low electricity price and use it at high electricity price, if there is different electricity tariff in one day

Demand charge: For demand charge management application, if there is demand charge.

3.5 System Setup



Click the S/N account you want to view and then click the energy storage system settings, as shown in the above picture. The option with a “*” must be filled.

Personal basic information, inverter information, battery information, meter model, Firmware information, electricity tariff information, charge-/discharge setting, etc. The gray box on the page can only be viewed by the user, which cannot be modified.

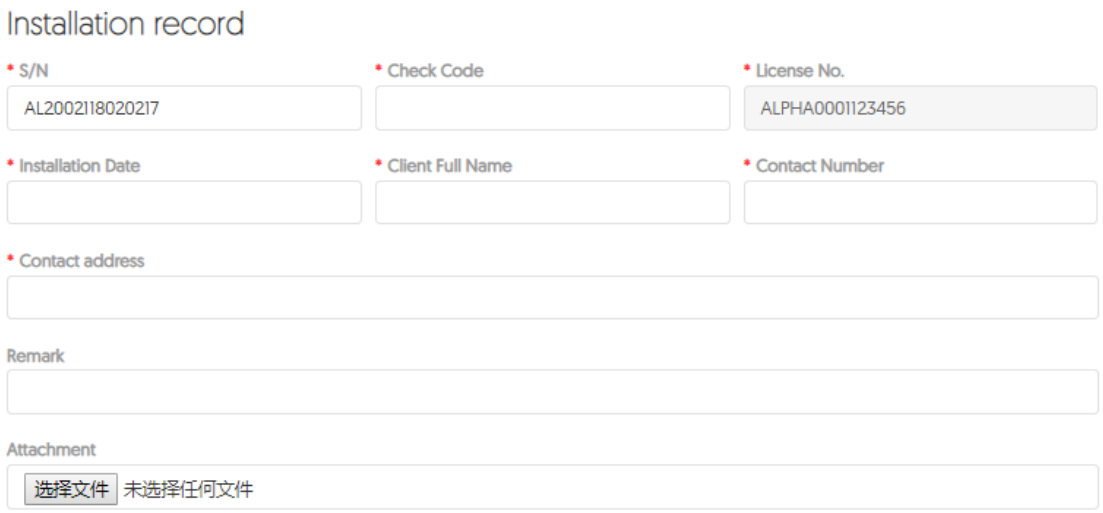
After modifying the data, click the Save button below.

1. The charge and discharge settings have been changed.

2. The aux contact settings have been re-arranged.

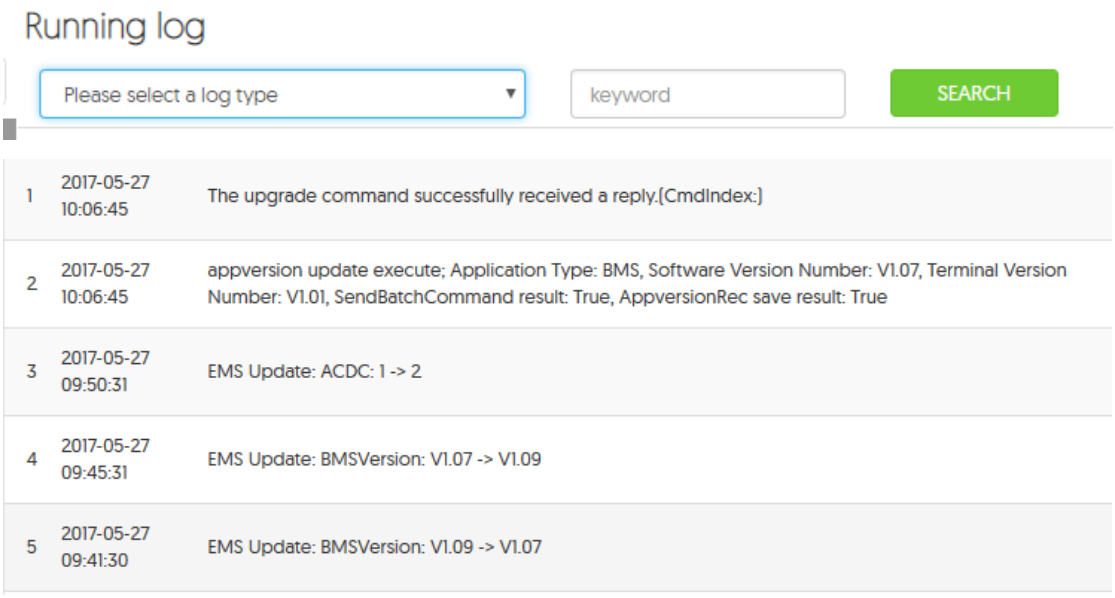
3. Other information has been added, such as " Allow synchronize time is yes or no", "Data upload frequency".

3.6 Installation Record



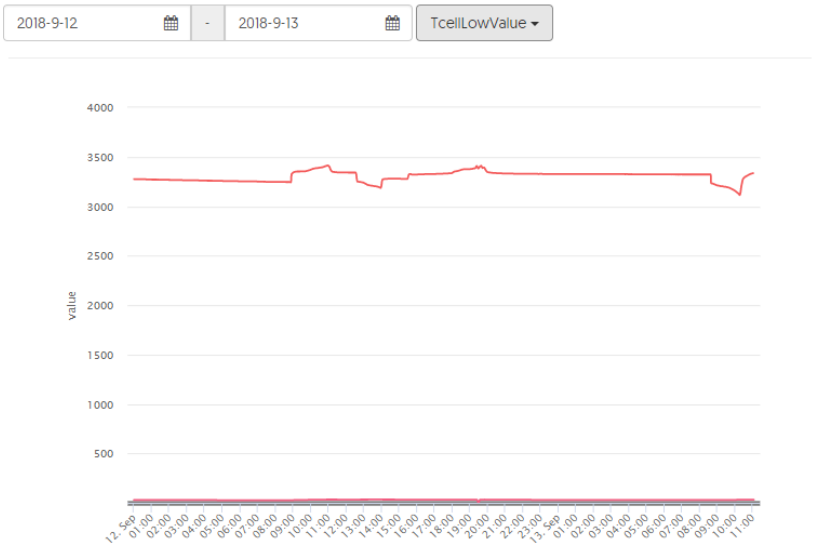
Click the S/N account you want to view and click the homepage installation record, as shown in the above picture, the option with a "*" must be filled.

3.7 Running Log



Click the S/N account you want to view and click the homepage running log, as shown in the above picture. Select the log type and enter the keyword.

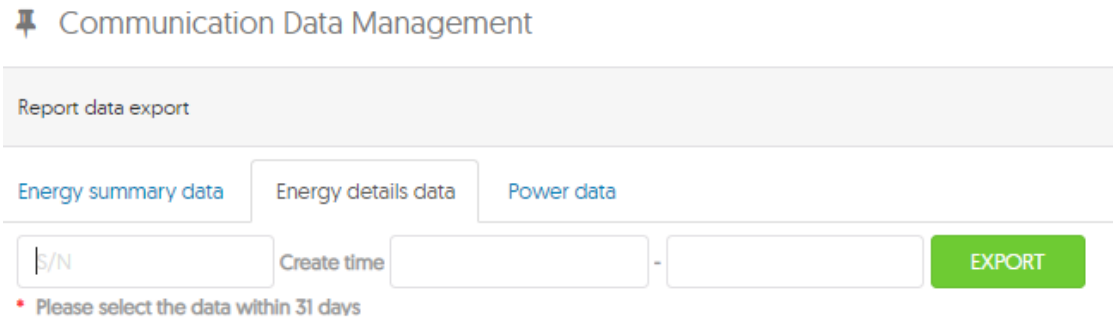
3.8 Data Analysis



Click the S/N account you want to view, and then click data analysis on the homepage to view the data curve for a specific time period.

4. Communication Data Management

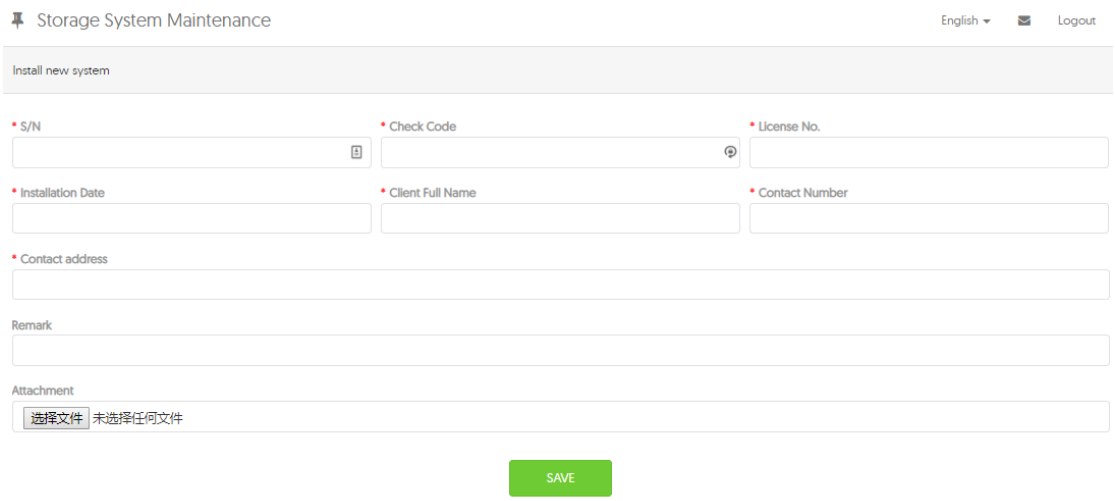
4.1 Report Data Export



As shown in the figure above, the energy summary data, energy details data, and power data of the device SN are derived.

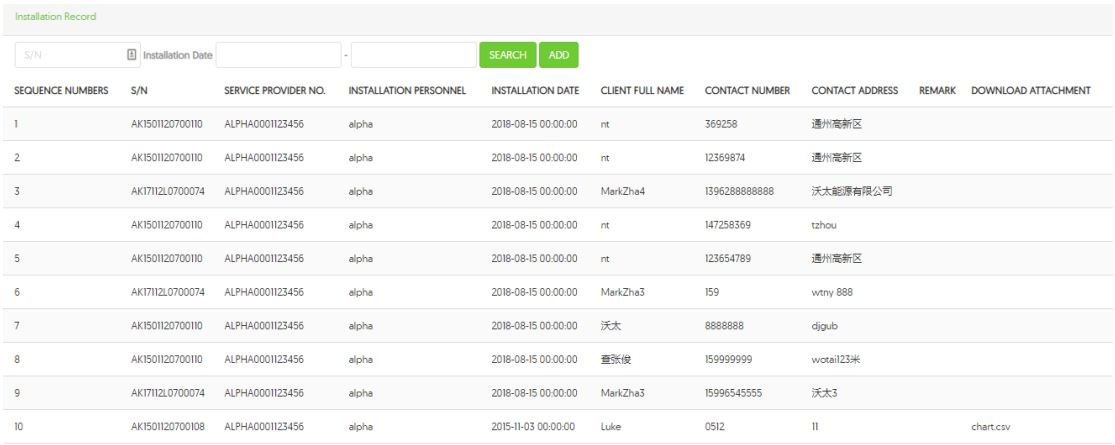
5. Storage System Maintenance

5.1 Install New System



Enter the system S/N, check code, license, installation date, client name, contact number, contact address, and click the save button. The red * in front of it is required. Click the Browse button to select the attachment you want to add.

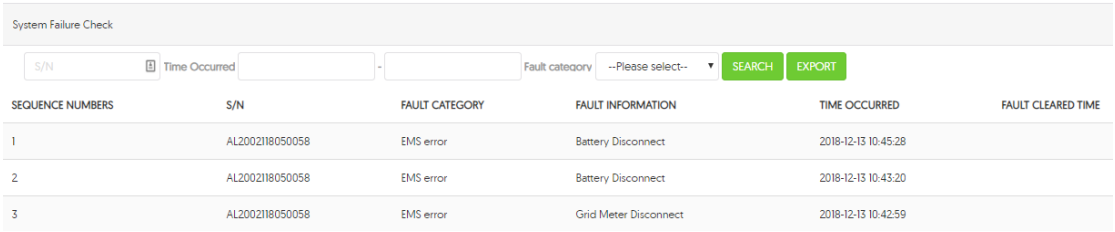
5.2 Installation Record



SEQUENCE NUMBERS	S/N	SERVICE PROVIDER NO.	INSTALLATION PERSONNEL	INSTALLATION DATE	CLIENT FULL NAME	CONTACT NUMBER	CONTACT ADDRESS	REMARK	DOWNLOAD ATTACHMENT
1	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	nt	369258	通州高新区		
2	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	nt	12369874	通州高新区		
3	AK17112L0700074	ALPHA0001123456	alpha	2018-08-15 00:00:00	MarkZha4	13962888888888	沃太能源有限公司		
4	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	nt	147258369	tzhou		
5	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	nt	123654789	通州高新区		
6	AK17112L0700074	ALPHA0001123456	alpha	2018-08-15 00:00:00	MarkZha3	159	wtny 888		
7	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	沃太	8888888	djgub		
8	AK1501120700110	ALPHA0001123456	alpha	2018-08-15 00:00:00	查张俊	159999999	wotai123米		
9	AK17112L0700074	ALPHA0001123456	alpha	2018-08-15 00:00:00	MarkZha3	15996545555	沃太3		
10	AK1501120700108	ALPHA0001123456	alpha	2015-11-03 00:00:00	Luke	0512	11		chart.csv

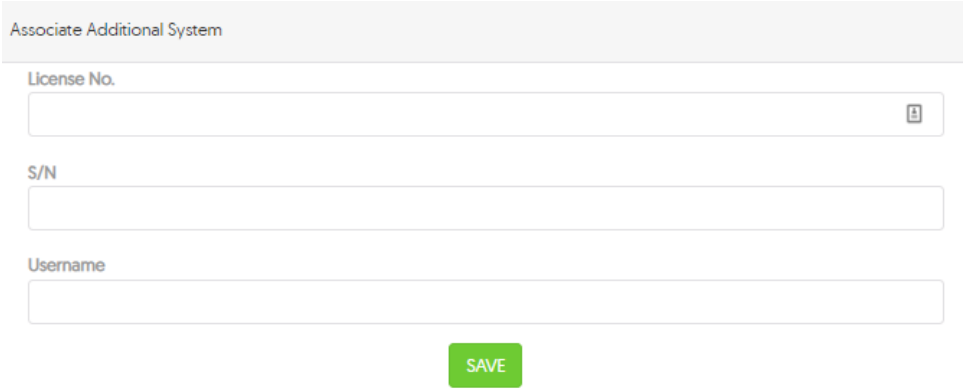
The installation record query implements screening of the installer, system S/N, and a certain period of time (supporting fuzzy queries). There is a download function for attachments.

5.3 System Failure Check



System fault queries can be queried based on multiple conditional screening criteria. The Excel document function is available for the query result.

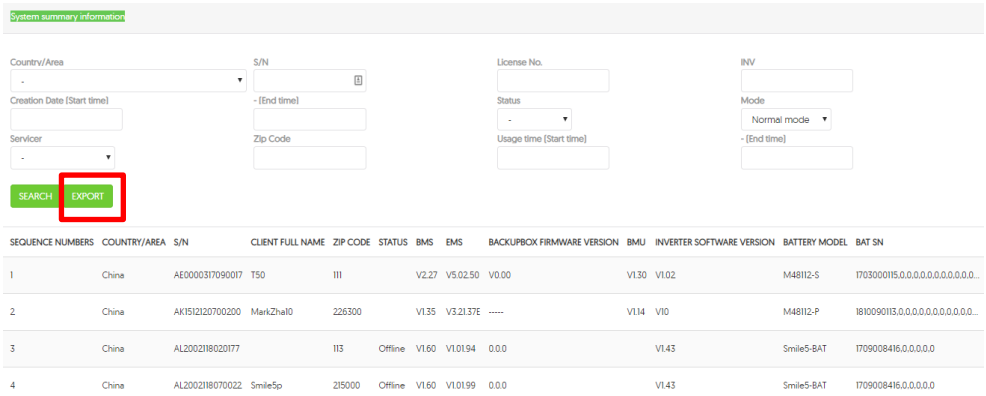
5.4 Associate Additional System



To associate a new device, you need to fill in the user license number, device S/N, user name, and then click the Save button to associate the new device.

6. Other Information

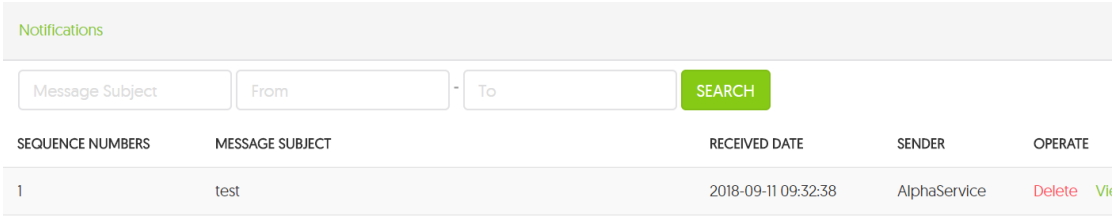
6.1 System Summary Information



Enter the country, system S/N, license NO., INV, creation date, running status, working mode, servicer and zip code to query the required information. You can export the excel file by clicking the EXPORT button in the red box.

7. Basic Settings

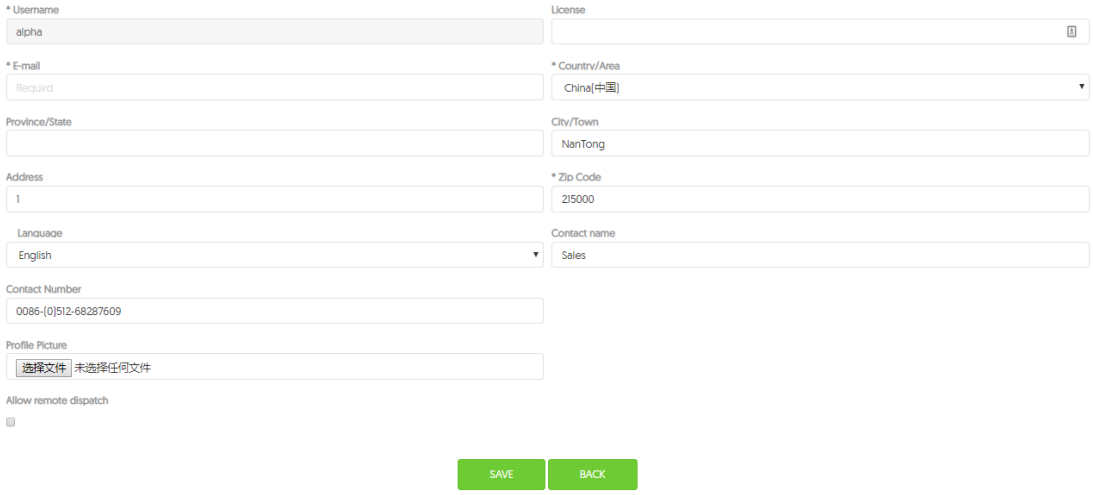
7.1 Notifications



Enter the message subject, start time, and end time to click the query to view the message.

Click the delete or view button in the red box, which can either delete the line or view the detailed information.

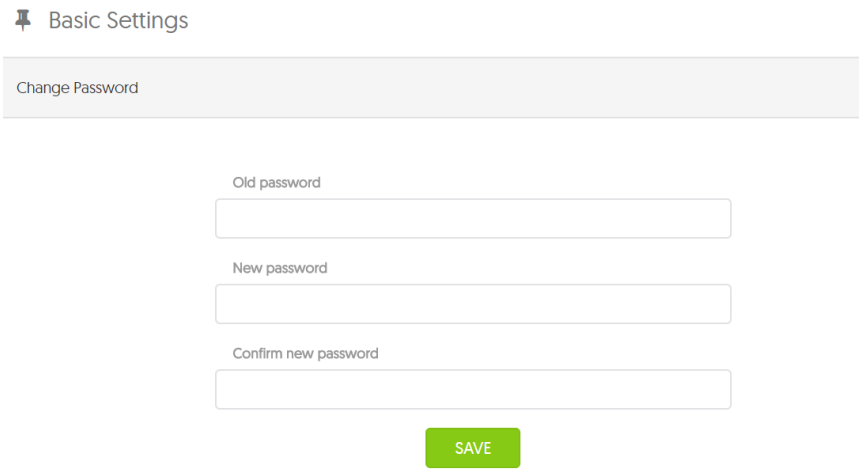
7.2 User Information Settings



Enter the username, E-mail address, country/area, province/state, city/town, detailed address, zip code, language, contact name, contact number, click to upload the profile picture, and click Save to complete the user information settings.

Click Back to return to the homepage.

7.3 Change Password



Enter the old password and a new password twice, then click “Save” to change password.

8. Customer Feedback

When users click “Customer Feedback” in the menu bar on the right, the after-sales processing system will be opened automatically.

9. Imprint

Click “Imprint” and the page will automatically jump to a new page about "Imprint"

10. Privacy Policy

Click “Privacy Policy” to jump to a new page. Check out Alpha ESS's “Privacy Policy”.

11. Select Language and Logout

Click the drop-down list in the red box to select Chinese, English, or German.

Click the button in the blue box to logout.