

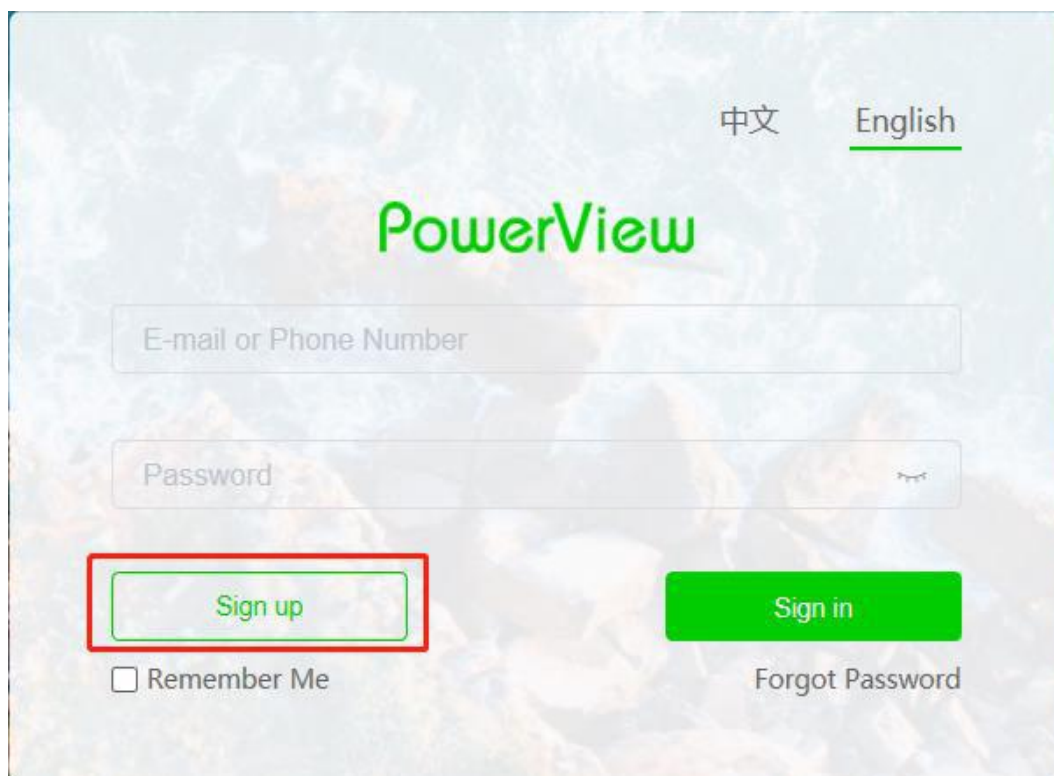


## Monitoring User Guide

### 1. Login& Registration

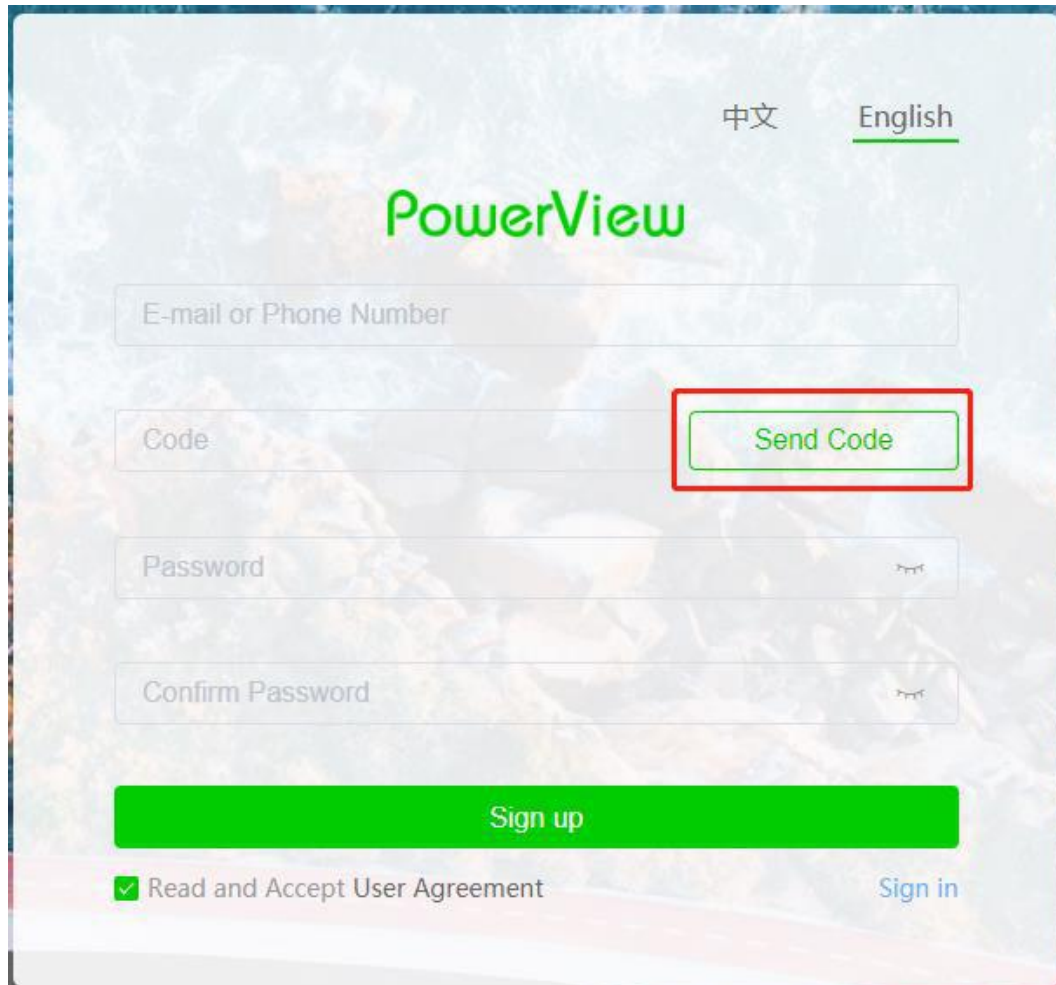
#### 1.1 Registration

Visit [pv.inteless.com](http://pv.inteless.com) and the system's home page as shown below. Click **Sign up** to go to next step



The image shows the PowerView login and registration interface. At the top right, there are language options: 中文 and English (underlined). The title "PowerView" is centered in green. Below it are two input fields: "E-mail or Phone Number" and "Password". The "Sign up" button is highlighted with a red rectangle. To the right of the "Sign up" button is a green "Sign in" button. Below the "Sign up" button is a checkbox labeled "Remember Me". Below the "Sign in" button is a link labeled "Forgot Password".

Enter your email address or Phone Number then click **Send Code** to get your information verified

The image shows a registration form for 'PowerView'. At the top right, there are two language links: '中文' and 'English', with 'English' being underlined. The 'PowerView' logo is centered at the top in green. Below the logo are four input fields: 'E-mail or Phone Number', 'Code', 'Password', and 'Confirm Password'. The 'Code' field is highlighted with a red rectangular border. To the right of the 'Code' field is a green button labeled 'Send Code'. Below the input fields is a large green button labeled 'Sign up'. At the bottom left, there is a checked checkbox followed by the text 'Read and Accept User Agreement'. At the bottom right, there is a blue link labeled 'Sign in'. The background of the form is a light blue and white abstract pattern.

中文 English

# PowerView

E-mail or Phone Number

Code

Send Code

Password

Confirm Password

Sign up


☒ Read and Accept User Agreement


[Sign in](#)

Enter the verification code sent to your email or phone in **Code bar**

[中文](#) [English](#)

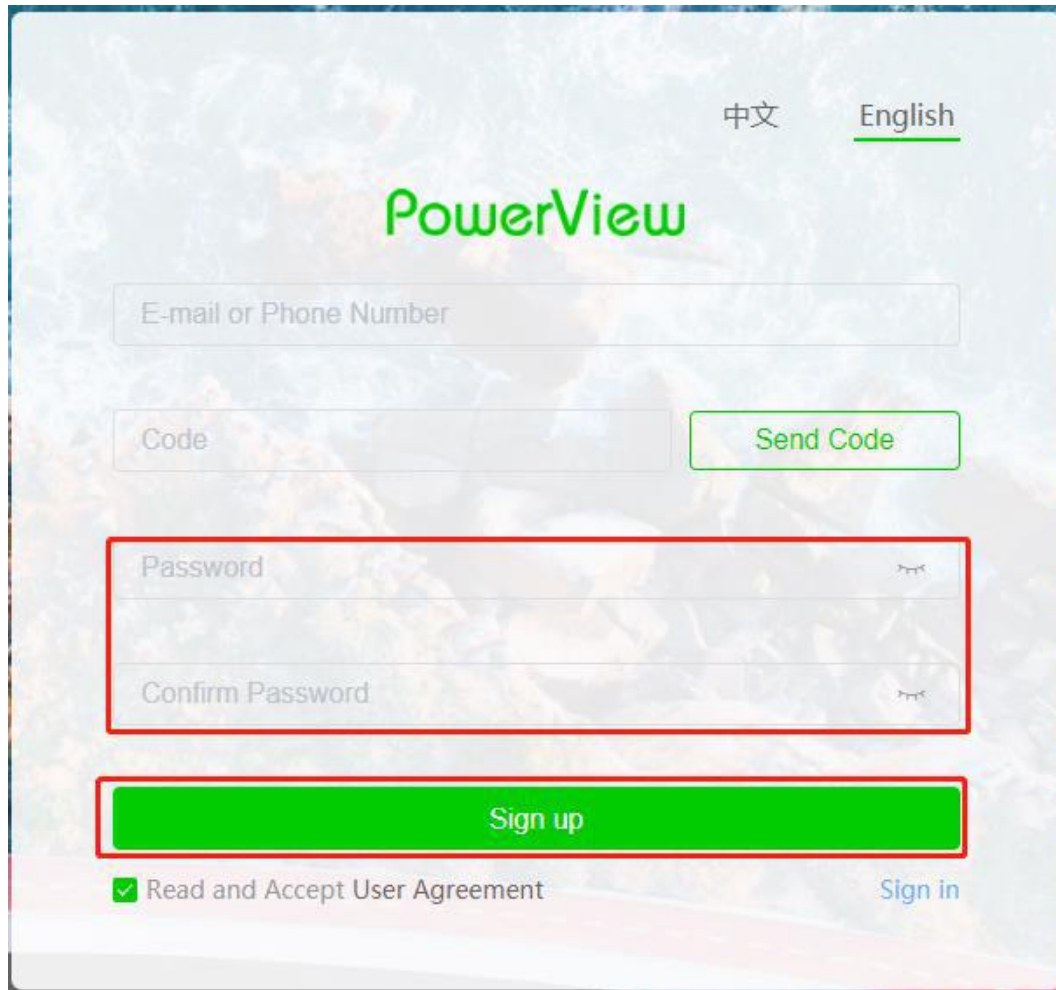
## PowerView





☒ Read and Accept User Agreement [Sign in](#)

Enter the password and confirm password then click **Sign up** to complete the registration process. System will automatically jump into the home page


The image shows a registration form for 'PowerView'. At the top right, there are language options: '中文' and 'English', with 'English' underlined. The 'PowerView' logo is centered in green. Below it is a text input field for 'E-mail or Phone Number'. Underneath that is a 'Code' input field and a green 'Send Code' button. The next section contains two password input fields, 'Password' and 'Confirm Password', each with a toggle icon on the right. This section is enclosed in a red rectangular box. Below the password fields is a large green 'Sign up' button, also enclosed in a red rectangular box. At the bottom left, there is a checked checkbox followed by the text 'Read and Accept User Agreement'. At the bottom right, there is a blue 'Sign in' link.


中文 English

## PowerView

E-mail or Phone Number

Code [Send Code](#)

Password 

Confirm Password 

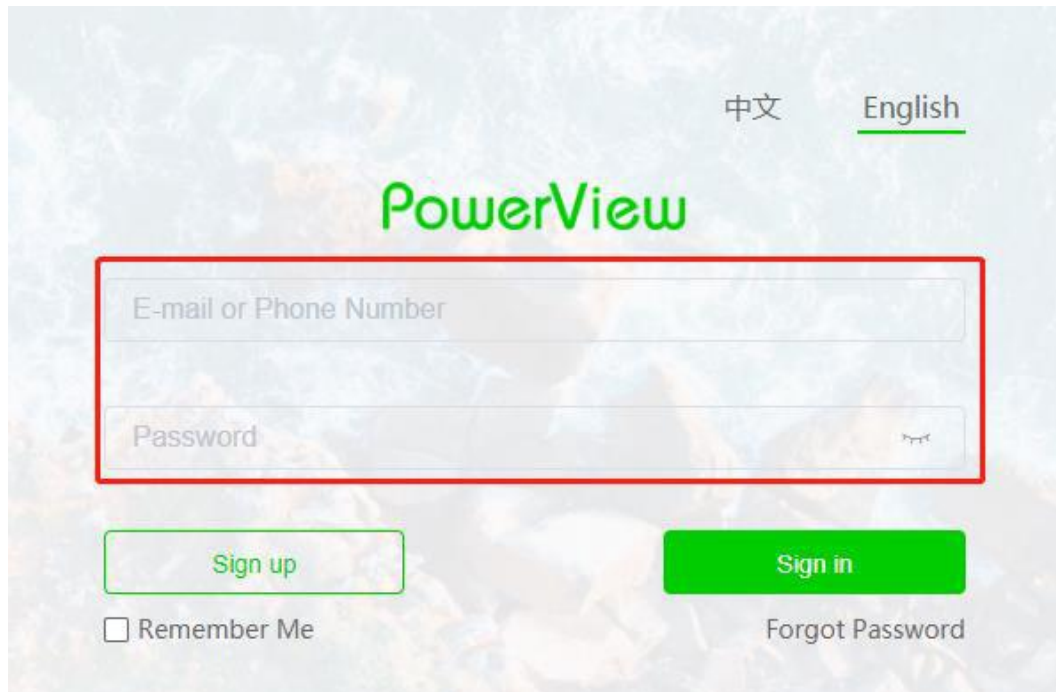
[Sign up](#)

☒ Read and Accept User Agreement [Sign in](#)

*Note: This Sign up process applies to only for End users, if Installer or Agent wants to apply for accounts, please email the request to [service@fox-ess.com](mailto:service@fox-ess.com)*

## 1.2 Log in

Enter email/ phone number and password and click **Sign in** to enter user main interface



The image shows the login page for 'PowerView'. At the top right, there are language options: '中文' and 'English', with 'English' being the active selection. The 'PowerView' logo is centered in green. Below the logo, there is a red rectangular box containing two input fields: 'E-mail or Phone Number' and 'Password'. The 'Password' field has a small eye icon to its right. Below the input fields, there are two buttons: a green 'Sign up' button and a red 'Sign in' button. To the left of the 'Sign in' button is a checkbox labeled 'Remember Me'. To the right of the 'Sign in' button is a link labeled 'Forgot Password'.

*In case you forgot your login password, please click 'Forgot password' and fill in below details to get your password back.*

中文

English

# PowerView

Send Code

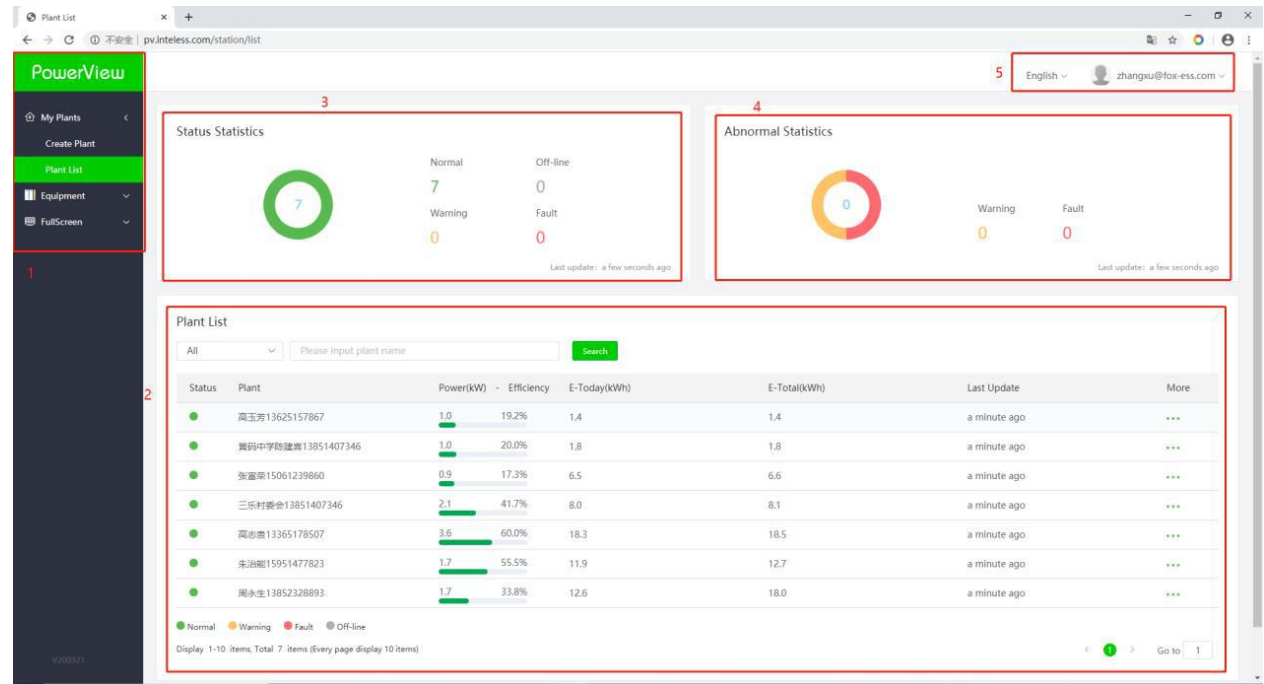
Reset Password

[Sign in](#)

## 2.The User Interface

### 2.1 Main Interface Description

The following interface will appear after User login.



No	Description
1	Menu : My plants, Equipment and FullScreen
2	Plant list : Show all plants under the account
3	Status Statistics : All, normal, fault, warning, offline number of plants
4	Abnormal Statistics : Number of warning and Fault
5	Language selection , user information change , sign out



## 2.2 Create Plant

Enter SN(Device serial number) KEY , click **Next** and go to next page

PowerView

English zhangxu@fox-ess.com

Create Plant

Binding Parameters Location

\* SN Please Input ?

\* Key Please Input

Cancel Next

V090321

Copyright © 2020 E-LINTER Ltd. All rights reserved.

Fill in the information , click **Next** and go to next page

PowerView

English 18651517708

Create Plant

Binding Parameters Location

\* Name 231

\* Capacity 3 kWp

\* Start Time 2020-03-25

\* Plant Type ☐ Storage ☒ Grid

\* Currency ¥

\* Pricing Methods ☒ Constant Price ☐ On Time Price

1 k/Wh

Back Next

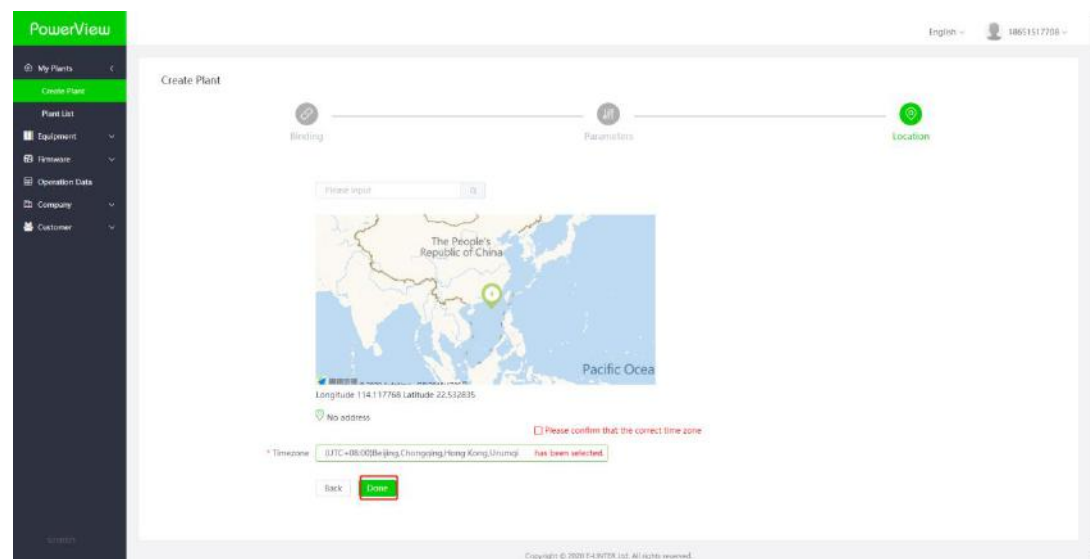
The upload format is JPG, JPEG, PNG, and the upload size cannot exceed 6 MB

V090321

Copyright © 2020 E-LINTER Ltd. All rights reserved.



Capture the address on the map, select your time zone then click **Done** to finish plant creating



## 2.3 Plant List Description

Plant List

All

Please input plant name

Search

Status	Plant	Power(kW) clency	E-Total(kWh)	Last Update	More
<div></div>	蘇市賓15205235042	0.00.0%	0.0	5 hours ago	...
<div></div>	管曲民13852371439	0.00.0%	0.0	5 hours ago	...
<div></div>	淮風龍的13813343622	0.00.0%	0.3	5 hours ago	...
<div></div>	王兆鎮15052468171	0.00.0%	1.3	5 hours ago	...
<div></div>	陳玉考13625157867	0.00.0%	2.2	5 hours ago	...
<div></div>	廣興中學新建高13851407346	0.00.0%	2.6	5 hours ago	...
<div></div>	陳富寧15061239860	0.00.0%	8.2	5 hours ago	...
<div></div>	三沙村聯合13851407346	0.00.0%	10.4	5 hours ago	...
<div></div>	陳宏康13365178507	0.00.0%	20.7	5 hours ago	...
<div></div>	朱潤康15951477823	0.00.0%	13.3	5 hours ago	...

Normal

Warning

Fault

Off-line

Display 1-10 items, Total 11 items (Every page display 10 items)

1

2

3

4

5

Add Equipment

Edit Plant

Share Plant

Delete Plant

No	Description
1	Click [plant] enter to overview of plant
2	Add Equipment : add a equipment to the plant
3	Edit Plant : change the plant's information
4	Share Plant : Retention
5	Delete Plant

## 2.3.1 Overview Of Plant

Click **Plant** to enter plant's overview

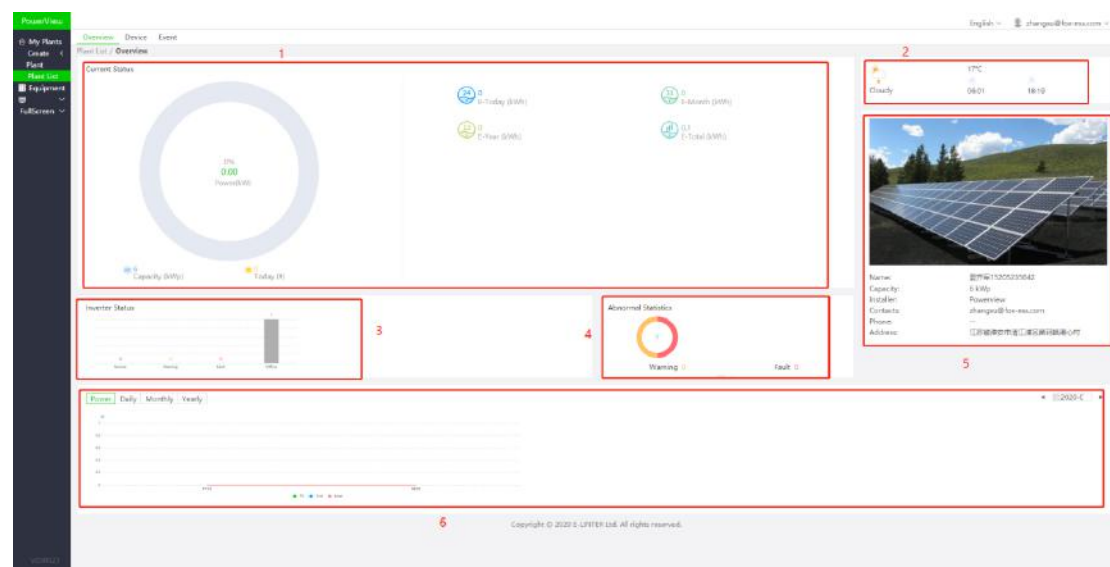
Plant List

All

Search

Status	Plant	Power(kW)	Efficiency	E-Today(kWh)	E-Total(kWh)	Last Update	More
●	慕齐军15205235042	0.0	0.0%	0.0	0.1	4 hours ago	...
●	管金凤13852371439	0.0	0.0%	0.0	0.2	4 hours ago	...
●	高凤龙的13813343822	0.0	0.0%	0.3	0.4	4 hours ago	...
●	王兆国15052468171	0.0	0.0%	1.3	1.8	4 hours ago	...
●	高玉芳13625157867	0.0	0.0%	2.2	2.2	4 hours ago	...
●	黄钢中学陈建波13851407346	0.0	0.0%	2.6	2.6	4 hours ago	...
●	张富荣15061239860	0.0	0.0%	8.2	8.3	4 hours ago	...
●	三乐村委会13851407346	0.0	0.0%	10.4	10.5	4 hours ago	...
●	高志贵13365178507	0.0	0.0%	20.7	20.9	4 hours ago	...

Parameters explanations on Overview page



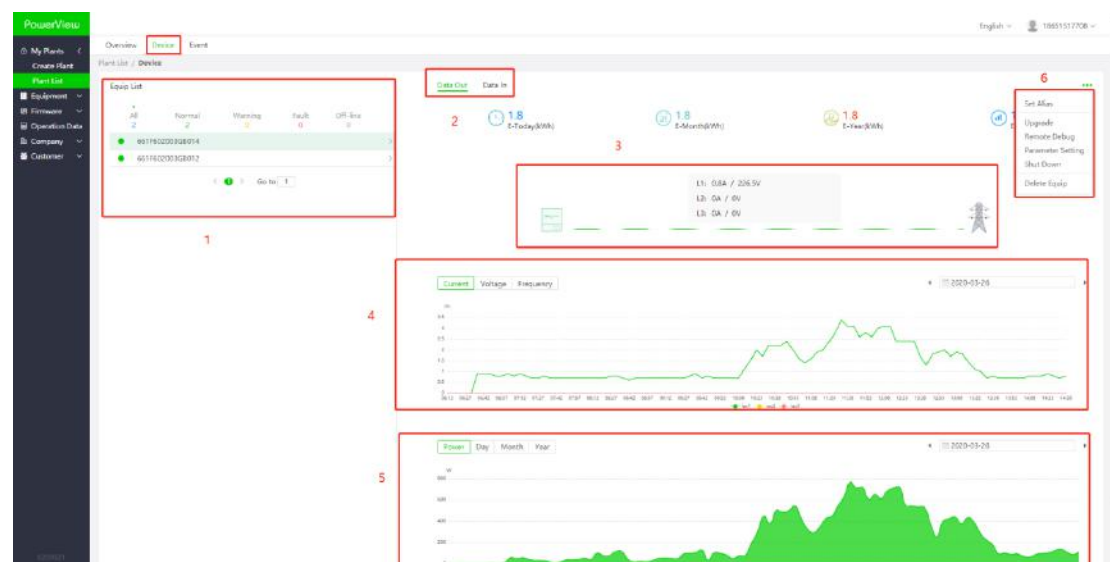
No	Description
1	Menu : My plants, Equipment and FullScreen
2	Plant list : Show all plants under the account
3	Status Statistics : All, normal, fault, warning, offline number of plants
4	Abnormal Statistics : Number of warning and Fault
5	Language selection , user information change , sign out

## 2.3.2 Device Under plant

Click **Plant list**

Plant List						
All <input type="text" value="Please input plant name"/>		<input type="button" value="Search"/>				
Status	Plant	Power(kW)	Efficiency	E-Today(kWh)	E-Total(kWh)	Last Update
	慕齐军15205235042	0.0	0.0%	0.0	0.1	4 hours ago
	曾金周13852371439	0.0	0.0%	0.0	0.2	4 hours ago
	高凤龙的13813343822	0.0	0.0%	0.3	0.4	4 hours ago
	王礼国15052468171	0.0	0.0%	1.3	1.8	4 hours ago
	高玉芳13625157867	0.0	0.0%	2.2	2.2	4 hours ago
	黄钢中学陈建章13851407346	0.0	0.0%	2.6	2.6	4 hours ago
	张富荣15061239860	0.0	0.0%	8.2	8.3	4 hours ago
	三乐村委会13851407346	0.0	0.0%	10.4	10.5	4 hours ago
	高志贵13365178507	0.0	0.0%	20.7	20.9	4 hours ago

Click **Device** to enter plant's overview



No	Description
1	Inverters list: show all inverters under the plant
2	Data out, Data in
3	Data flow graph
4	Voltage, current and Frequency line chart
5	Power generation
6	Set Alias, upgrade , remote debug , parameter setting , shut down , delete equipment

## 2.3.3 Event Under plant

Click **Plant** to enter plant's overview

Plant List

All

Status	Plant	Power(kW)	Efficiency	E-Today(kWh)	E-Total(kWh)	Last Update	More
●	慕齐里15205235042	0.0	0.0%	0.0	0.1	4 hours ago	...
●	曾金周13852371439	0.0	0.0%	0.0	0.2	4 hours ago	...
●	高凤龙的13813343822	0.0	0.0%	0.3	0.4	4 hours ago	...
●	王礼国15052468171	0.0	0.0%	1.3	1.8	4 hours ago	...
●	高玉芳13625157867	0.0	0.0%	2.2	2.2	4 hours ago	...
●	黄钢中学陈建章13851407346	0.0	0.0%	2.6	2.6	4 hours ago	...
●	张富荣15061239860	0.0	0.0%	8.2	8.3	4 hours ago	...
●	三乐村委会13851407346	0.0	0.0%	10.4	10.5	4 hours ago	...
●	高志贵13365178507	0.0	0.0%	20.7	20.9	4 hours ago	...

Click **Event** to enter plant's overview and check device work status

PowerView

Overview Device **Event**

Plant List / Event

Event List

Status	SN	Message	Time	More
●	661F502001G8002	1001 - Inverter Online	2020-03-23 00:00:40	Detail...
●	661F502001G8002	1001 - Inverter Online	2020-03-24 14:55:40	Detail...
●	661F502001G8002	32 - No utility	2020-03-24 14:54:27	Detail...
●	661F502001G8002	0 - Recovery from error	2020-03-24 11:43:03	Detail...
●	661F502001G8002	1001 - Inverter Online	2020-03-24 11:37:23	Detail...
●	661F502001G8002	30 - Ground fault	2020-03-24 11:37:26	Detail...
●	E4701201-0335	1004 - Gateway Offline	2020-03-24 10:50:47	Detail...
●	661F502001G8002	30 - Ground fault	2020-03-24 10:45:34	Detail...
●	661F502001G8002	0 - Recovery from error	2020-03-24 10:45:30	Detail...
●	661F502001G8002	5 - Grid frequency	2020-03-24 10:45:20	Detail...

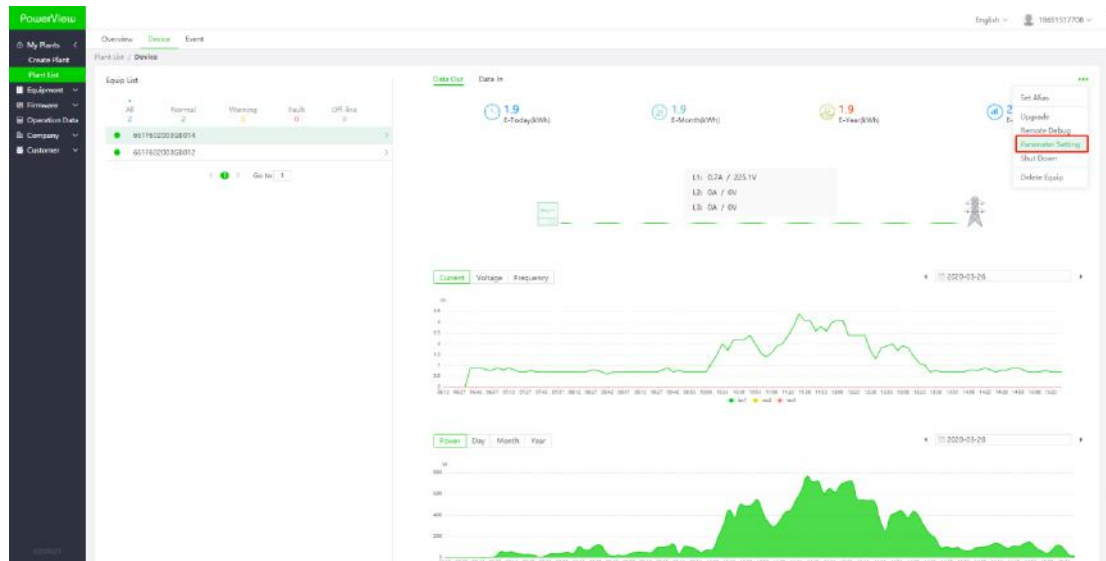
Info Warning Fault

More

Copyright © 2020 E-UNITER Ltd. All rights reserved.

## 2.4 Remote setting

Click **parameter setting** to enter remote setting page



### Basic config

## Advanced config

PowerView

Station Grid / Device / Parameter Setting

Parameter Setting (551F5020030B014)

Basic config

Advanced config

Start up control

Grid voltage

Grid frequency

Over frequency

Reactive control

DC voltage

Active control

AC Over voltage

Meter control

Reset E\_Totals

Reset E\_Totals

Reset Event List

Remote off

Write E\_Totals(0000)

Write E\_Totals(0000)

Save

Save

Save

Save

Save

Save

Save

Copyright © 2009 E-LUNTER Ltd. All rights reserved.

## Start up control settings

PowerView

Station Grid / Device / Parameter Setting

Parameter Setting (551F5020030B014)

Basic config

Advanced config

Start up control

Grid voltage

Grid frequency

Over frequency

Reactive control

DC voltage

Active control

AC Over voltage

Meter control

Convert time (30~3000s)

Load speed (0~100.0%/min)

Reconnect time (3~6000s)

Reload speed (0~100.0%/min)

High voltage limit (200.0~300.0V)

Low voltage limit (50.0~200.0V)

High freq limit (45.00~55.00Hz)

Low freq limit (45.00~55.00Hz)

60

99.9

60

70.0

240.0

184

52

47.5

Save

Copyright © 2009 E-LUNTER Ltd. All rights reserved.

## Grid frequency settings

PowerView

Station Grid / Device / Parameter Setting

Parameter Setting (551F5020030B014)

Basic config

Advanced config

Start up control

Grid voltage

Grid frequency

Over frequency

Reactive control

DC voltage

Active control

AC Over voltage

Meter control

Onp1

Onp2

Onp3

Unp1

Unp2

Unp3

Max protect time1 (3~650.00s)

Max protect time2 (3~650.00s)

Max protect time3 (3~650.00s)

Min protect time1 (3~650.00s)

Min protect time2 (3~650.00s)

Min protect time3 (3~650.00s)

10

0.5

1

2.5

2.5

10

255

273.7

262.2

184

184

150

273.7

Save

Copyright © 2009 E-LUNTER Ltd. All rights reserved.

## Grid frequency settings

PowerView

Station List / Device / Parameter Setting

Parameter Setting (551F502003GB014)

Basic config: On/1, On/2, Up/1, Up/2, Recof (checked), Nely

Advanced config: Freq max2 (45.00~45.00)Hz: 52, Max protect time2 (0~4500)S: 0.5

Start up control: Freq max1 (45.00~45.00)Hz: 52, Max protect time1 (0~4500)S: 0.5

Grid voltage: Freq min1 (45.00~45.00)Hz: 47.5, Min protect time1 (0~4500)S: 20

Over frequency: Freq min2 (45.00~45.00)Hz: 47, Min protect time2 (0~4500)S: 0.5

Reactive control: Recof (0~500)Hz: 1

DCI setting: Active control, AC Over voltage, Meter control

Save

Copyright © 2009 L-UNITER Ltd. All rights reserved.

## Over frequency settings

PowerView

Station List / Device / Parameter Setting

Parameter Setting (551F502003GB014)

Basic config: Freq Deviating (checked), Power Follow Freq (checked)

Advanced config: Freq point1 (47.00~47.00)Hz: 50.4

Start up control: Freq speed (0~100.0)Hz: 20

Grid voltage: Back up (47.00~47.00)Hz: 50.4

Over frequency: Back down (47.00~45.00)Hz: 50.4

Reactive control: Wait time back (0~4500)S: 0

DCI setting: Active control, AC Over voltage, Meter control

Back speed (0~100.0)Hz: 99.9

Over wait time (0~4500)S: 0.5

Save

Copyright © 2009 L-UNITER Ltd. All rights reserved.

## Reactive control settings

PowerView

Station List / Device / Parameter Setting

Parameter Setting (551F502003GB014)

Basic config: Conch1 lead, Conch1 lag, PF mode, Fixed quar, Qch1 mode

Advanced config: PF mode: lead/lag

Start up control: Fixed conch1 (0.8~1): 1, Fixed quar (0~100.0)Hz: 0

Grid voltage: Conch1 (0.8~1): 1, Conch1 power1 (0~100)Hz: 0

Over frequency: Conch2 (0.8~1): 1, Conch1 power2 (0~100)Hz: 25

Reactive control: Conch3 (0.8~1): 1, Conch1 power3 (0~100)Hz: 50

DCI setting: Conch4 (0.8~1): 0.5, Conch1 power4 (0~100)Hz: 100

Active control: Lock in voltage (0~400.0)V: 230, Lock out voltage (0~400.0)V: 230

AC Over voltage: Voltage point1 (0~400.0)V: 207, Point1 qac (0~100.0~100.0)Hz: 30

Meter control: Voltage point2 (0~400.0)V: 220, Point2 qac (0~100.0~100.0)Hz: 0

Lock in power (0~100)Hz: 50, Point3 qac (0~100.0~100.0)Hz: 0

Max quar (0~100.0)Hz: 10, Point4 qac (0~100.0~100.0)Hz: 30

Lock out power (0~100)Hz: 40, Wait time (0~4500)S: 0

Save

Copyright © 2009 L-UNITER Ltd. All rights reserved.



## Active control settings

PowerView

Station List / Device / Parameter Setting

Parameter Setting (551F502003080140)

Basic config

Advanced config

Start up control

Grid voltage

Grid frequency

Over frequency

Reactive control

Active control

AC Over voltage

Meter control

Remote start/stop

Remote power limit (0~100%)

Remote on/off (0~100-on, 1-off)

Export Power (0~65535kW)

Save

Copyright © 2009 E-LUTION Ltd. All rights reserved.

## Ac over voltage settings

PowerView

Station List / Device / Parameter Setting

Parameter Setting (551F502003080140)

Basic config

Advanced config

Start up control

Grid voltage

Grid frequency

Over frequency

Reactive control

Active control

AC Over voltage

Meter control

High power down

Start point (0200~000200V)

Speed (0~100.0%/V)

Over wait time (0~655350S)

Back speed (0~100.0%/min)

Save

Copyright © 2009 E-LUTION Ltd. All rights reserved.

# Meter control settings

