User Manual-CSI Cloud (Web)

1. Preface

Dear Users,

Thank you very much for using online PV monitoring system-CSI Cloud. We sincerely hope our

design meets your requirements. If you have any comments, please feel free to send us a note

and let us know how we are doing.

This manual is to introduce product information and detailed operation procedures, which aims

to a quick grasp of the system and a better monitoring of PV data.

2. Instruction

2.1 Go to CSI Cloud

Go to http://monitoring.csisolar.com. You can log in to CSI Cloud Platform (User

Version&Business Version)

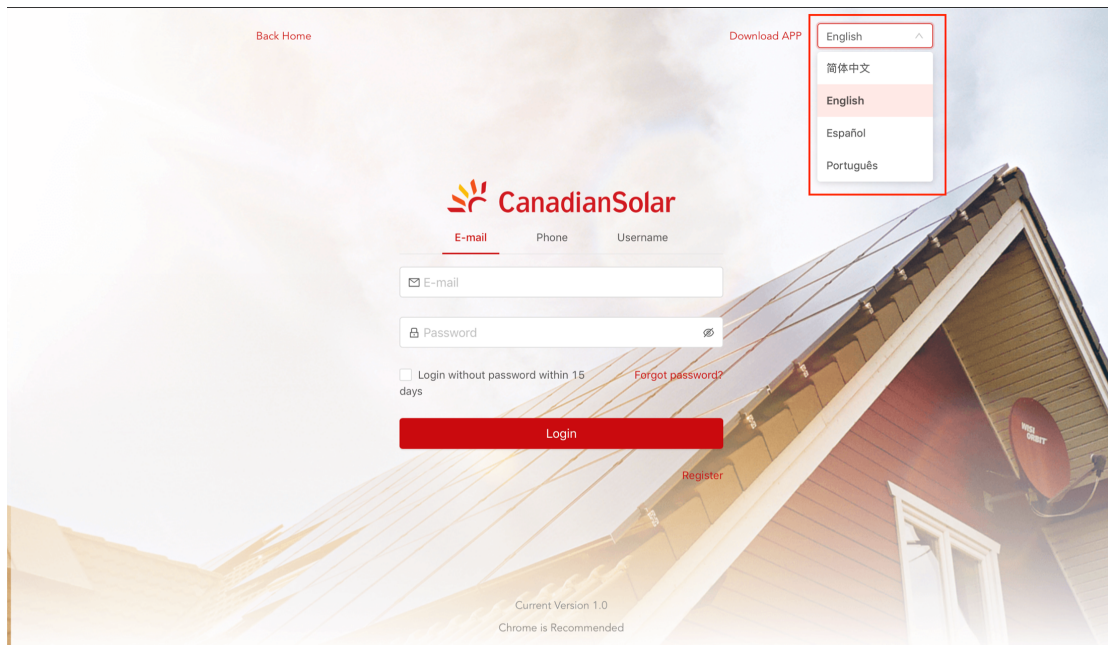Please read the instructions carefully. Click *"Go to CSI Cloud"*, then select login page (User

Version).

CSI Cloud Platform-User Version

CSI Cloud Platform (User Version) is designed for PV power plant users. It achieves full-day surveillance of PV power plant running situation and power generation benefits, which secures users' properties.

Go to CSI Cloud →

CSI CloudPro Platform-Business Version

CSI CloudPro Platform (Business Version) is designed for different businesses who provide various services. It offers different services for different business sectors. Furthermore, it meets complex scenarios and requirements, which also ensures power generation benefits and secures users' properties.

Go to CSI CloudPro →

2.2 Language

System supports Chinese(Simplified), English, Português and español.

Methods to switch the language:

Method 1: Go to "Red Outline" below. You can switch the language here.

Method 2: Go to "Red Outline" below. After you have logged in to CSI Cloud Platform, you can

switch the language here.

CanadianSolar   English   CSI_1556156524

2.3 Download CSI Cloud App

When you are at login page, click *"Download APP"* to check QR code. If you wish to download

CSI Cloud App, please scan the QR code and install.

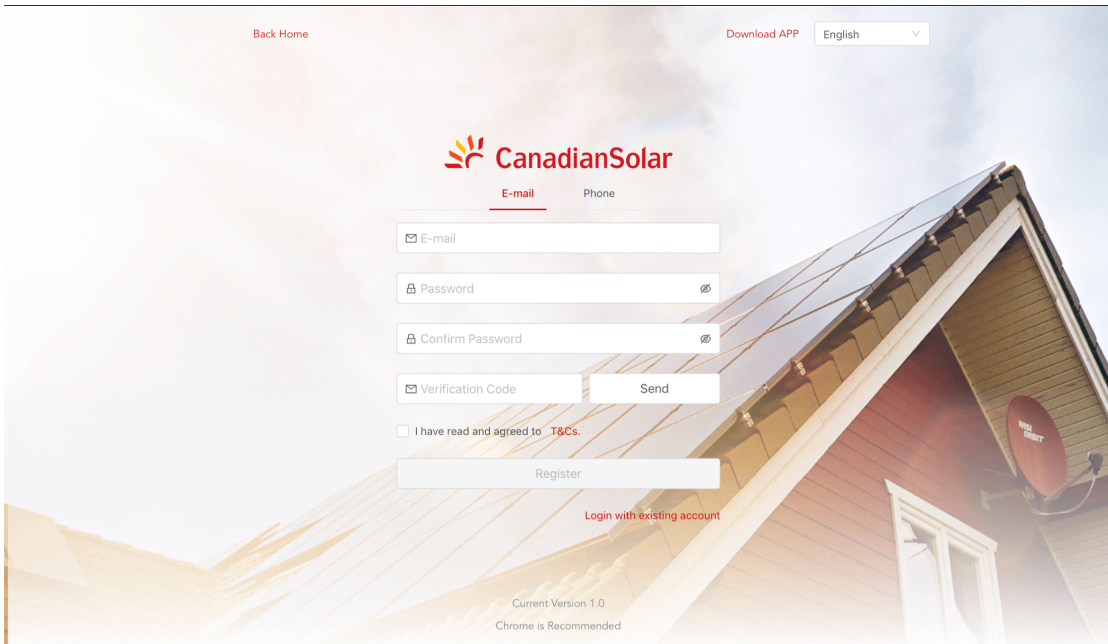 (Both android and IOS systems are supported.)

2.4 Login&Register

2.4.1 Register

If you do not have a CSI Cloud account, please register first. You can register via phone number and E-mail.

Step 1: Enter your login account;

Step 2: Set your password;

Step 3: "√ ", it means you have read and agreed T&Cs.

Click *"Register"* to finish.

2.4.2 Login

If you have an account at CSI Cloud Platform, you can login directly.

Log in to CSI Cloud Platform via your account. Default password: 123456.

2.4.3 Forgot Password?

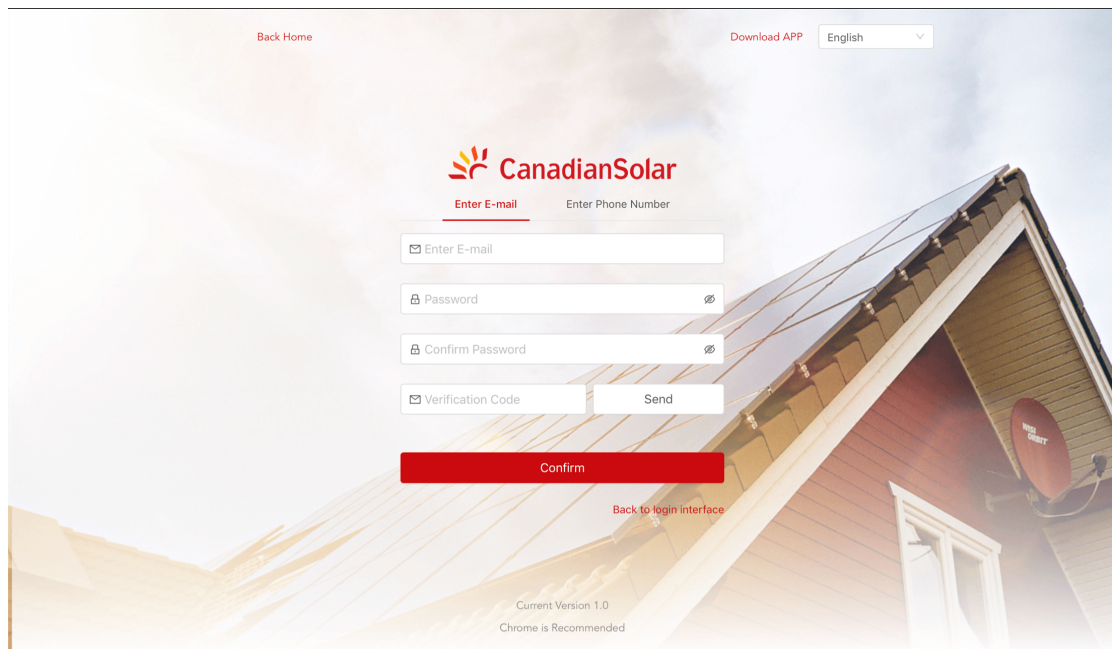If you forget your password, please click *"Forgot Password?"* to find your password back.

（1）If you try to find your password via your phone, please enter your phone number first, then click *"Send"*. System will send a verification code message to your phone. Please enter the right verification code, then reset your password.

（2）If you try to find your password via E-mail, please enter your E-mail address first, then click *"Send"*. System will send a verification code E-mail to your mailbox. Please enter the right verification code, then reset your password.

Notice: If you encounter the following problems, please contact Customer Service.

（1）　　You have not received a verification code.

（2）　　Your phone or E-mail has been deactivated.

（3）　　You enter your username to log in to CSI Cloud Platform. And your account have not
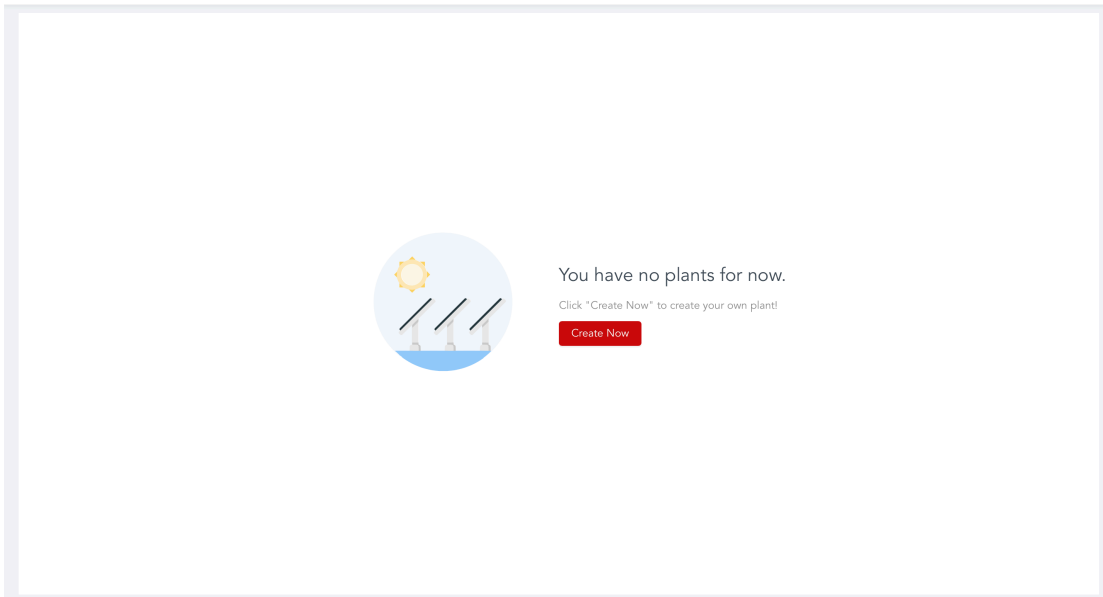
bound your phone or E-mail yet.

2.5 Create a Plant

Owners can create your own plant at CSI Cloud Platform to run a real-time monitoring. System

will collect the data from associated devices, which enables a full understanding of PV plant

running status.

2.5.1 Step 1: Create Now

Click *"Create Now"* to create your plant at   CSI Cloud Platform.

Notice: If you have already created a plant, you will not see this page. And if you wish to create

another plant, please click *"Create a Plant"* on homepage.

You have no plants for now.

Click "Create Now" to create your own plant!

Create Now

2.5.2 Step 2: Enter Plant Details

Please enter detailed plant information according to your actual situation. System will create an

unique plant for you. In order to calculate plant data precisely, please enter

(1) *Plant Name,*

(2) *Plant Type,*

(3) *Grid Type,*

(4) *Plant Location,*

(5) *Installed Capacity,*
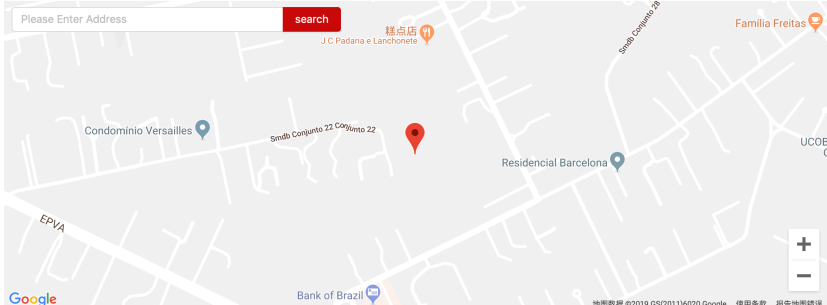
(6) *Time Zone,*

(7) Other information.

Create a Plant　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　✕

Basic Info ⚬
System Info
Revenue Info

Basic Info

* Plant Name：

[Plant Name]

* Plant Loc：

[Please Enter Address] [search]

* Longitude and latitude：

Longitude [-47] ° [49] ' [50.50] "　　　　Latitude [-15] ° [51] ' [10.33] "

* Administrative Area：

[Brazil ▾] [Distrito Federal ▾] [▾]

* Address：　　　　　　　　　　　　　　　　　　　　　* Time Zone：

Create a Plant　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　✕

Basic Info ⚬
System Info
Revenue Info

* Longitude and latitude：

Longitude [-47] ° [49] ' [50.50] "　　　　Latitude [-15] ° [51] ' [10.33] "

* Administrative Area：

[Brazil ▾] [Distrito Federal ▾] [▾]

* Address：　　　　　　　　　　　　　　　　　　　　* Time Zone：

[Address]　　　　　　　　　　　　　　　　　　　　[(UTC-03:00) Brasilia ▾]

System Info

* Plant Type：　　　　　　　　　　　　　　　　　　* Grid-connected Type：

[Please select plant type ▾]　　　　　　　　　[Please select grid-connected type ▾]

* Installed Capacity (Unit: kWh)：　　　　　　　　* Commissioning Date ⑦：

[Installed Capacity (Unit: kWh)]　　　　　　　　[2019-04-25 📅]

Revenue Info

* Currency Unit：　　　　　　　　　　　　　　　　Feed-in tariff(Unit: BRL/kWh) ⑦：

[BRL ▾]　　　　　　　　　　　　　　　　　　　[Local Feed-in Tariff(BRL/kWh)]

Total Cost(Unit: BRL)：

[Total Construction Cost (Unit: BRL)]

[Finish]

Notice: If your plant has no data after you click *"Finish"*, which means there is no device in your plant.

2.6 Add a Gateway/Logger

After the plant is created, you can add a gateway/logger. Gateway/Logger can collect running data from PV devices and upload to server, which enables a full understanding of PV plant

running status and revenue information. Furthermore, system will determine whether the plant

is running normally, which avoid property losses caused by device failure and other reasons.
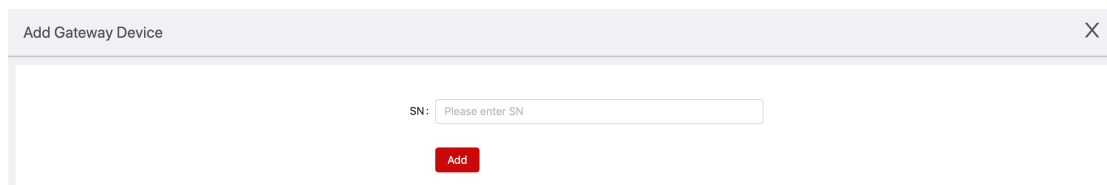
2.6.1 Step 1: Select a Plant

In case you have various power plants, which might cause data corruption, it is recommended

to select a plant first before adding a gateway/logger.

Please follow "Red Outline" below. Select a plant first, then click *"Add a Gateway/Logger"*.

2.6.2 Step 2: Enter Gateway/Logger SN

You can find SN on the product box. If the product box has been lost, you can find SN on

product body.

2.6.3 Step 3: Select Authorization Mode

When you add a gateway/logger, it is required to select authorization mode. System will add

devices to your plant according to your authorization mode.

（1）Select authorized device automatically

Default authorization mode: Select authorized device automatically. If you select this mode, devices connected to gateway/logger will be added to the plant automatically.

（2）Select authorized device manually

If you select authorized device manually, it is required to select the devices connected to gateway/logger first, then add the target devices to the plant. If the gateway/logger does not have normal networking or devices have no connection with the gateway/logger at this period, you can go to *"Device Details"* and add device manually when it runs normally.

Notice: Once authorization mode is selected, it cannot be changed.

2.6.4 Step 4: Finish

After finish adding, you can check gateway/logger data on "Device Details" page.

If your gateway/logger is a WiFi module, please know the following information:

（1）Wi-Fi module is not capable of communication, which cannot transmit data directly.

（2）If you wish your gateway/logger is capable of communication, it is required to operate networking configuration first. Currently, CSI Cloud Web Platform does not support this function. Please download CSI Cloud APP to operate configuration.

（3）After networking configuration is done, it means gateway/logger is capable of communication, which can transmit data to server. Then you can check plant data at CSI Cloud Web.

（4） Due to network and server connection, please wait about 5-10 mins after the configuration is done.

2.7 Plant Data&Settings

After the plant and device setup is done, you can check plant data and do other operations.

2.7.1 Overview

Click *"Plant Info"* to check various data on this page. E.g. Total Production, Total Grid Feed-in, Total Anticipated Revenue, Self-used Rate, Total CO_2 Emission Reduction, Running Days, 24H Curve, Local Weather, Historical Data and etc,.

Definition:

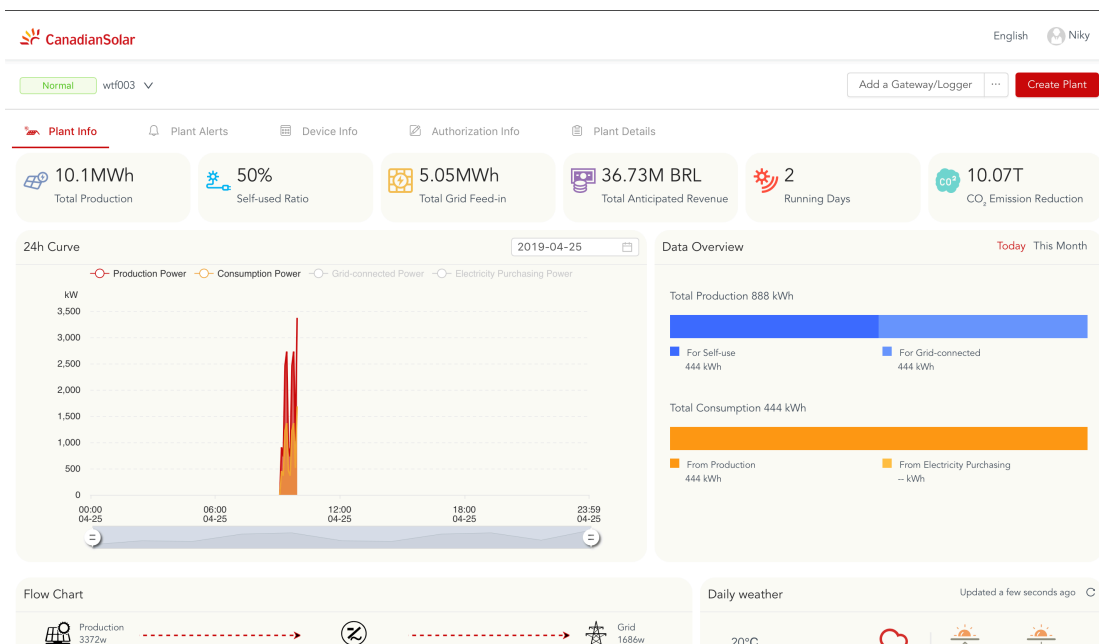Total Production: Total production generated from devices under the current plant.

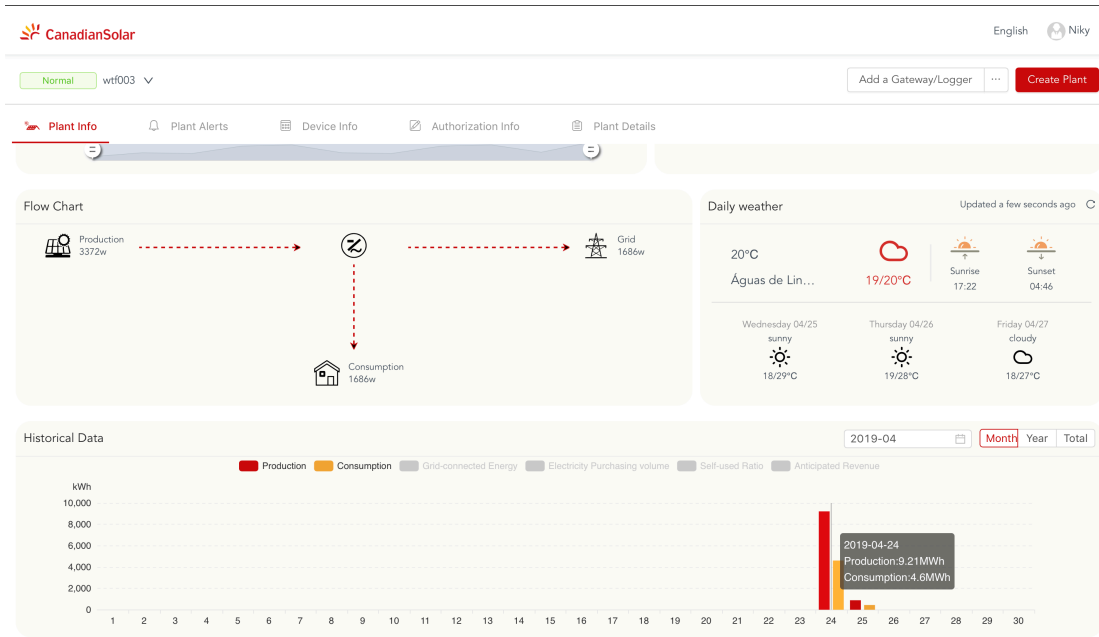Total Grid Feed-in: Total capacity fed into the grid.

Total Anticipated Revenue: Comprehensive calculation of feed-in tariff according to current production and grid feed-in.

Self-used Rate: Proportion of production applied to household consumption.

Running Days: Total serving days.

Total CO_2 Emission Reduction: Reduced CO_2 emission since current plant went into service.
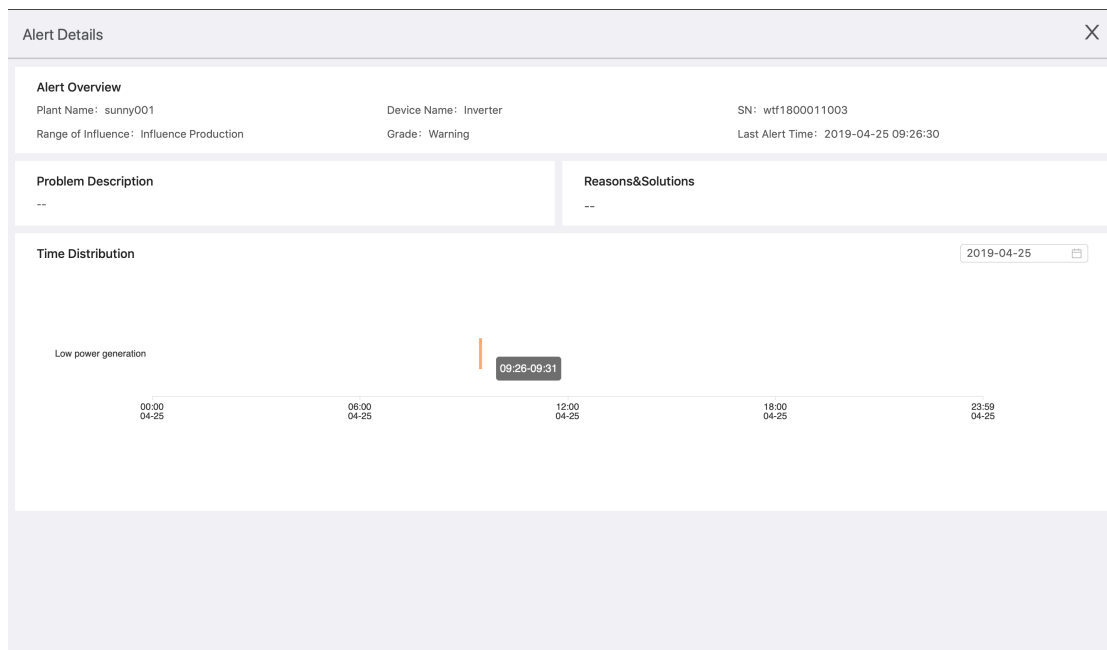
2.7.2 Alert

Click *"Plant Alerts"* to check alert message. Alert will be distinguished from alert grade and alert content, which enables you to understand the importance of alerts. Through these alert message, you can learn the fault status of your plant, which avoids property losses.

2.7.3 Device Info

Click *"Device Info"* to check device detailed information, including real-time parameters and statistical charts. From these data, you can check if the device is running normally. Moreover, you can operate meter configuration, selection and unbounding of associated devices.

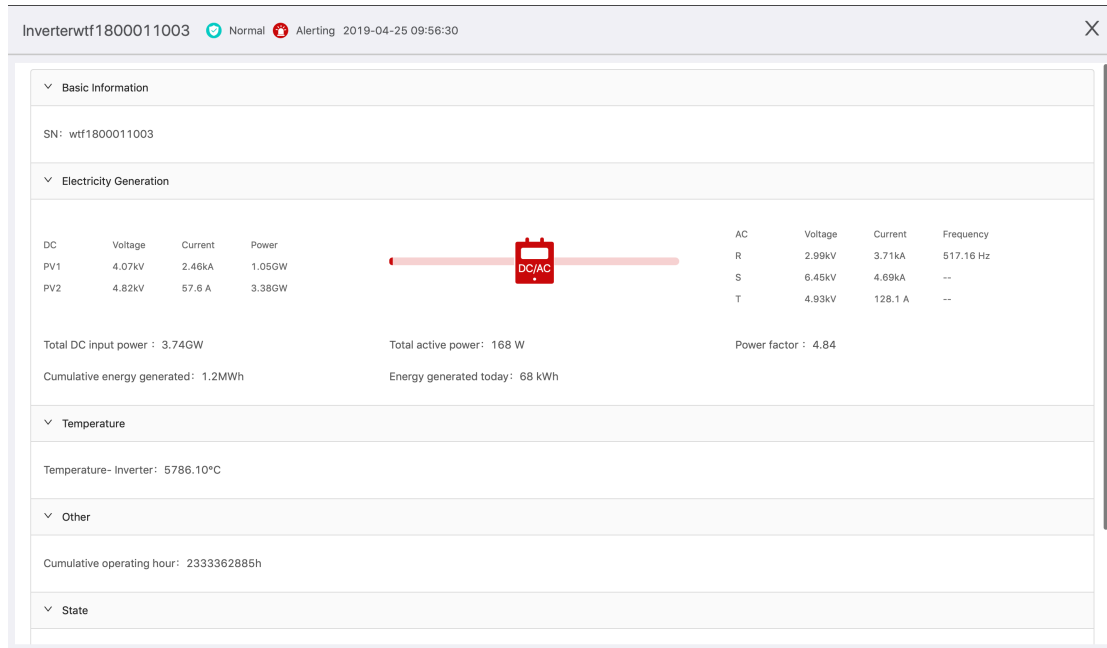| Inverterwtf1800011003 | ⊘ Normal | ✱ Alerting 2019-04-25 09:56:30 | ✕ |

∨ Basic Information

SN：wtf1800011003

∨ Electricity Generation

DC	Voltage	Current	Power		AC	Voltage	Current	Frequency
PV1	4.07kV	2.46kA	1.05GW		R	2.99kV	3.71kA	517.16 Hz
PV2	4.82kV	57.6 A	3.38GW		S	6.45kV	4.69kA	--
					T	4.93kV	128.1 A	--

DC/AC

Total DC input power：3.74GW   Total active power：168 W   Power factor：4.84

Cumulative energy generated：1.2MWh   Energy generated today：68 kWh

∨ Temperature

Temperature- Inverter：5786.10°C

∨ Other

Cumulative operating hour：2333362885h

∨ State

2.7.4 Authorization Info

Click *"Authorization Info"* to check plant authorization information. According to plant property, there are two types of plant. One is created by myself. Another is authorized by others.

（1）Created by myself

Please refer to authorization steps here. You can authorize the plant to your business who serves you. After that, the authorized business can check your plant and devices. The authorization scope is determined by the role you set for the business.

If the business is "Ordinary Member" role, business can check all plant data.

If the business is "Admin" role, business can check all plant data and operate the plant/devices.

CanadianSolar

Normal sunny001 ∨

Add a Gateway/Logger ··· Create Plant

Plant Info | Plant Alerts | Device Info | Authorization Info | Plant Details

Business correlated to the plant Add incidence relation

Business Name	Last modified time	Operate
AOLI Energy	2019-04-25 10:07:34	Edit Permission Undo

1 record(s) < 1 > 10 / page ∨ Goto

Plant authorization ✕

Please enter business name or key word first:

y Search

liyanyan	yu	AOLI Energy

3 record(s) < 1 >

Selected

Plant authorization ✕

Assign a role

When you authorize a plant to a business, you need to assign the role first. The business will only be able to check the content or operate the functions you have set.

You are going to authorize other plants to the business. The business will continue to play the same role.

Ordinary member
Ordinary members can check the production data, detailed information, alert information and device information. But they cannot edit or set up the plant.
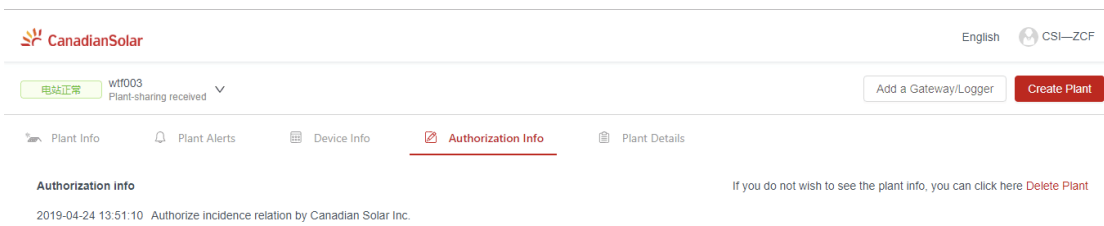
Admin
In addition to having the functions of all ordinary members, admin can set up and operate plants and devices, but cannot remove the plants.

Back Confirm authorization

CanadianSolar

Normal sunny001 ∨

Add a Gateway/Logger ··· Create Plant

Plant Info | Plant Alerts | Device Info | Authorization Info | Plant Details
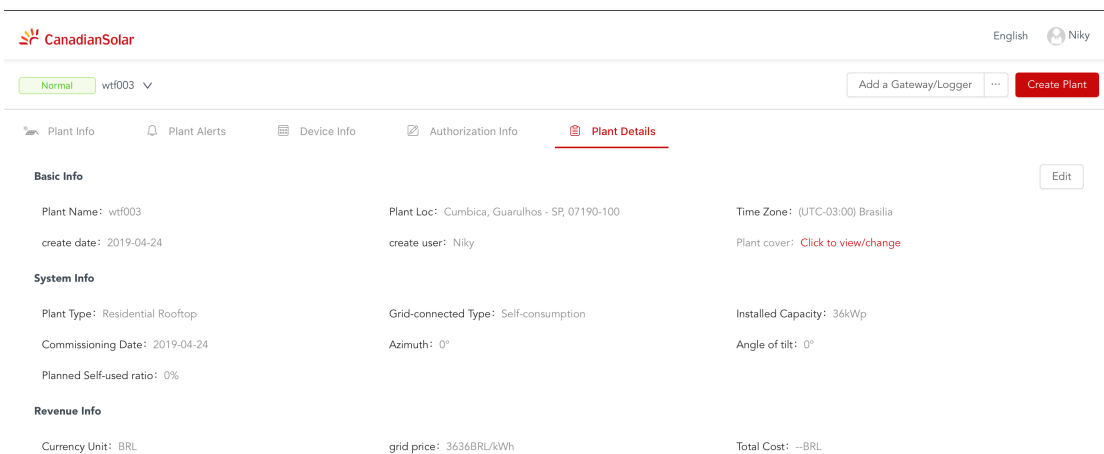
（2）Authorized by others

Currently, business can authorize the plant to users. Users can check data of authorized plants within the permissions.

Users cannot authorize such plants again. If users do not wish to see the plant, click *"Delete Plant"*.
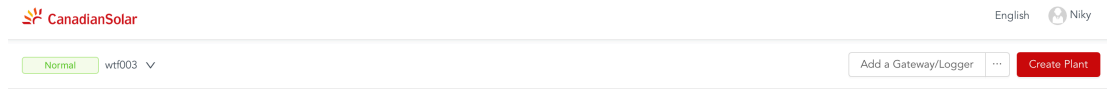

2.7.5 Plant Details

Click *"Plant Details"* to check plant detailed information. Click *"Edit"* to modify or perfect information here.

2.7.6 Plant Settings

Go to the area shown below. You can operate:

（1） Switch Plant

Click *"Down Arrow"* in the left area to switch the plant. Communication status will be shown here for quick troubleshooting. Authorized plants will be tagged "Plant-sharing received".

（2） Add a Gateway/Logger

Click *"Add a Gateway/Logger"* to add a gateway/logger.

（3） Delete Plant

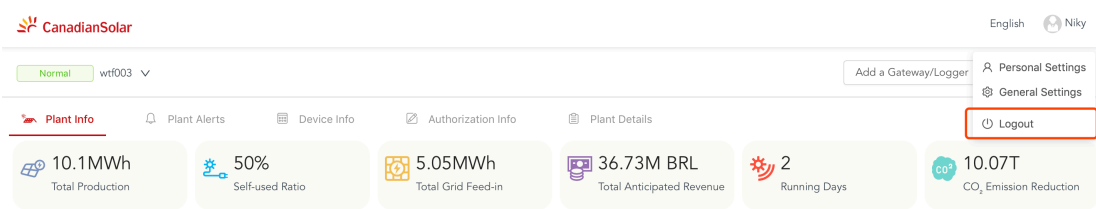Click *"Delete Plant"* to delete a PV plant. (Notice: Authorized plants cannot be deleted.)

（4） Create a Plant

Click *"Create a Plant"* to create a new PV plant.

2.8 Account&System Info
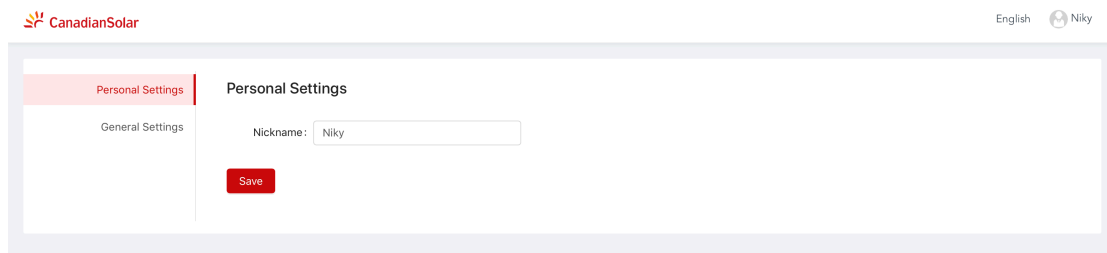
2.8.1 Log Out

Move the mouse pointer to account name in the upper-right corner and click "*Log Out*".

2.8.2 Personal Settings

Move the mouse pointer to account name in the upper-right corner and click *"Personal Settings"*.

You can modify *"Nickname"* here.

2.8.3 General Settings

Move the mouse pointer to account name in the upper-right corner and click *"General Settings"*.

You can select *"Temperature Unit"* and *"Language"* here.