



**LeadSolar Monitoring System
User Manual**

Oct 10, 2016
Ver 2.2

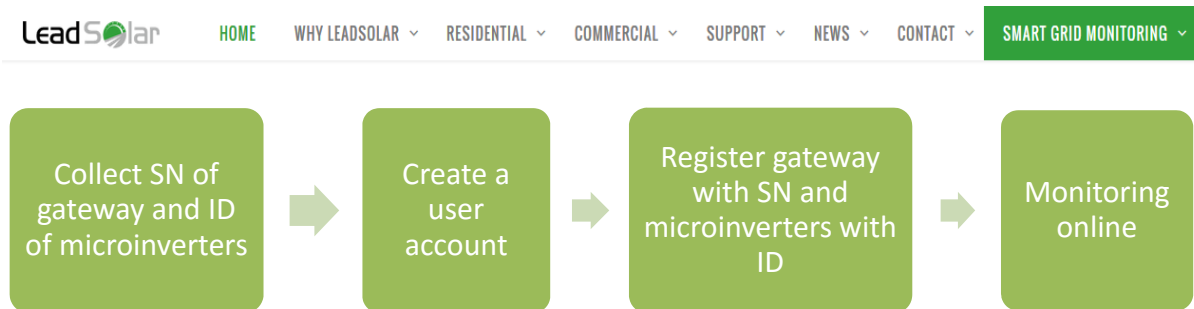
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1. Quick Installation

1.1. How it works?

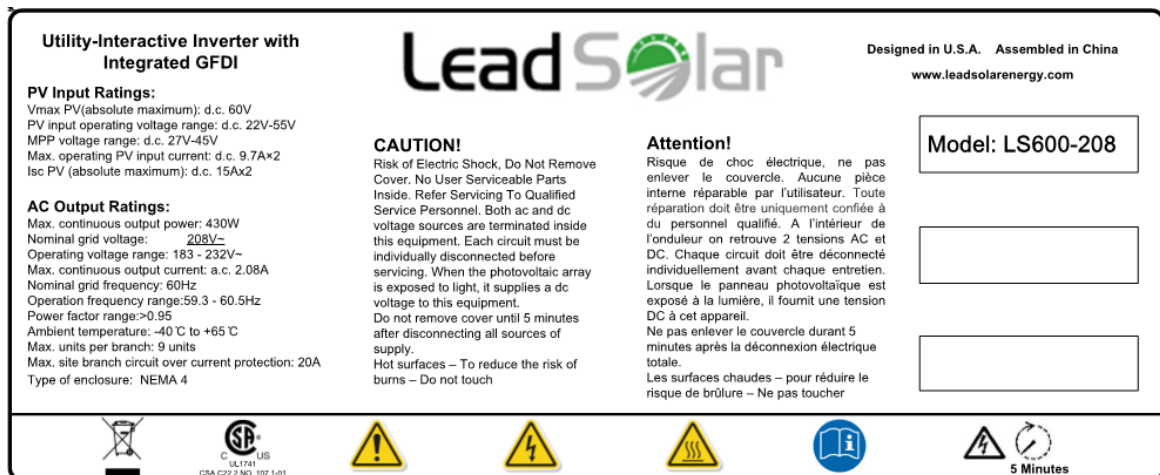
- Go to www.lead solarenergy.com and login the monitoring platform by fast link:
SMART GRID MONITORING:



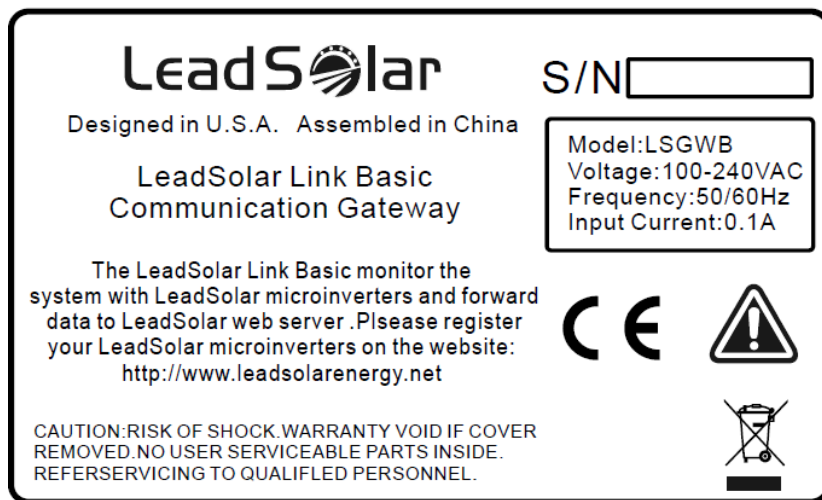
- After registration is completed, the gateway will be permanently associated with the registered microinverters.
- During the registration, the system will activate the gateway and microinverters for online monitoring. The gateway is configured only to monitor the associated devices under the same user account and will not work with any other unregistered devices.
- To protect the customer's privacy once registered the gateway cannot be used to monitor other users' devices.

1.2. Finding the right number for registrations

You can find the **ID** of the microinverters at the right corner of the label on the device.



The Serial Number for the gateway is marked on the label on the back of the gateway as shown below:



1.3. Installing the gateway

Please refer to the following diagram for a quick installation of the LeadSolar Link:



- Please try to install LeadSolar Link to the junction box where you make the solar system connection.
- Connect the LeadSolar Link and your router using an Ethernet cable. Or you can login in the built-in webpages of LeadSolar Link and configure it to connect to your router by WiFi.
- Please configure your router to a DHCP mode so an IP address can be automatically assigned to LeadSolar Link.

2. Registration

2.1. Register new account

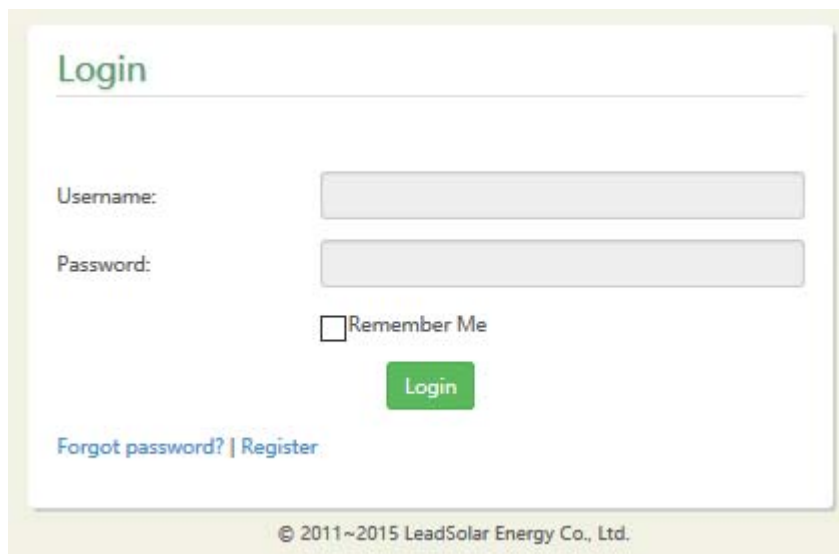
Before activating a solar panel that contains a LeadSolar Microinverter, please register

the microinverter on the online monitoring platform first.

- Go to www.lead solarenergy.com and login the monitoring platform by fast link:
SMART GRID MONITORING:



- The system supports the latest version of IE, Firefox, and Chrome.
- Click the 'Register' button at the bottom.

The image is a screenshot of a login page. At the top left, the word "Login" is written in a green font. Below it are two input fields: "Username:" and "Password:". Under the password field is a checkbox labeled "Remember Me". A green "Login" button is positioned below the checkbox. At the bottom left of the form area, there are two links: "Forgot password?" and "Register". At the very bottom of the page, there is a copyright notice: "© 2011~2015 LeadSolar Energy Co., Ltd."

It will take you to this registration page:

Registration

First Name:*

Last Name:*

Email:*

Password:*

Role:*

Street Address:*

City:*

Country:*

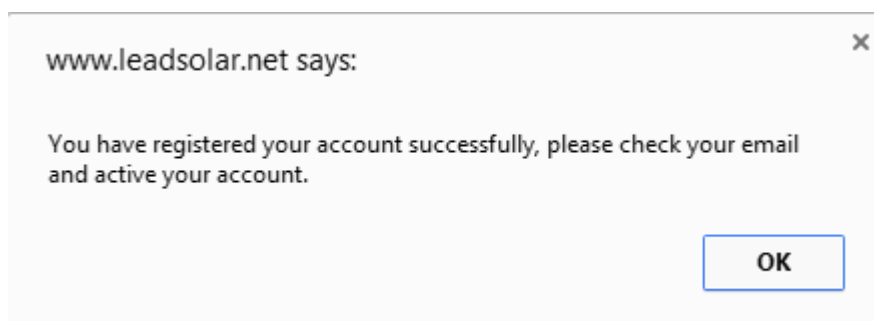
State/Province:

Zip/Postal Code:*

Phone:*

[Back](#)

- Fill in all required fields (indicated by a green asterisk). Please note, you should choose “End User” as your role. Otherwise, you cannot register your system when you choose “Installer”.
- Then click the “Create Account” button.



- Check your email for the verification link. Click the link provided -- you will be redirected to this webpage:

Login

Your account has been activated successfully. Please login!

Username:

Password:

Remember Me

Login

[Forgot password?](#) | [Register](#)

- Now you can click on the 'Login' button to login the monitoring system.

2.2. Forget Password

This feature can help you to retrieve your password. Password will be send to your email.

Forgot Password

Please enter your email address:*

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Click on the 'Submit' button, and go to the next information page.

www.lead solar.net says:

Submit successfully. Please check your email and active your account.

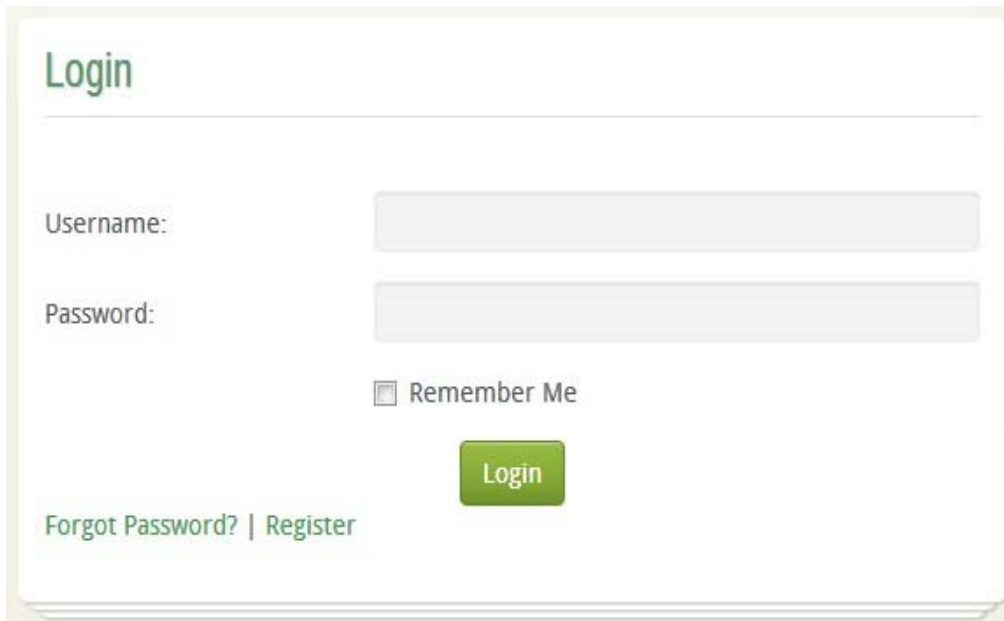
OK

Note: You should go to your email box, and get the password, and then you can use the email ID and the password to login the monitoring system.

3. Normal User Account

3.1. Login

Go to www.lead solarenergy.com and login the monitoring platform by fast link: SMART GRID MONITORING



Login

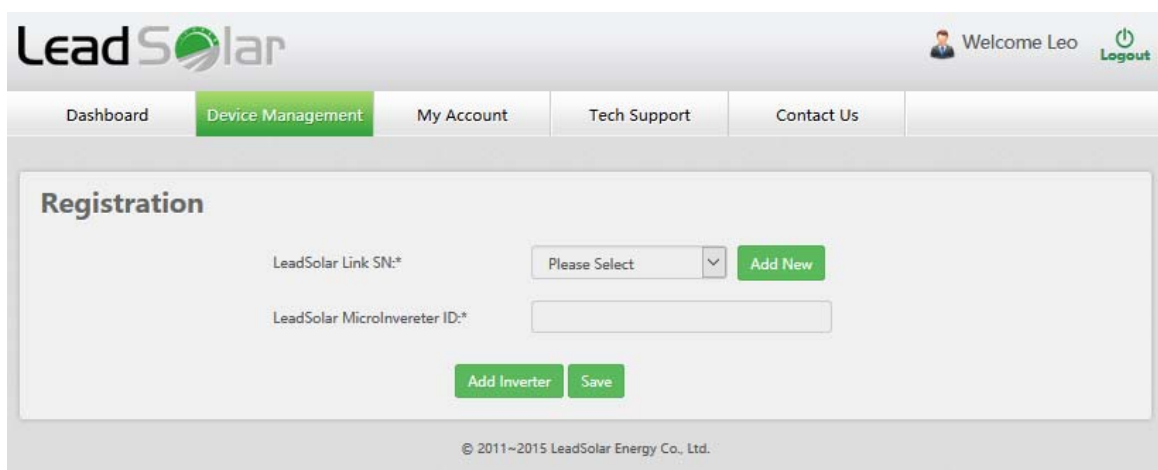
Username:

Password:

Remember Me

[Forgot Password?](#) | [Register](#)

Input your username and password (Note: you should register a new account, and activate it. Optional Choice: click “Remember Me” and let the system to remember your username and password.), then Click the ‘Login’ button. The first time you login, you will see “Device Management” registration page. Login page will take you to your system dashboard.



LeadSolar

Welcome Leo

Dashboard **Device Management** My Account Tech Support Contact Us

Registration

LeadSolar Link SN:*

LeadSolar MicroInverter ID:*

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3.2. Device Register

You should provide all required field information. You also need to upload image first before

register the gateway. This page will fill in your registration address by default. You can change address details if needed. In case of error, please contact with Administrator.

Registration

LeadSolar Link SN:* Installed Date:*

Street Address:* City:*

State/Province: Country:*

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3.3. Add microinverter

Before adding inverters, you should first register at least a gateway.

Select a gateway and add multiple inverters. Please make sure data (inverter ID) is valid. Each gateway supports maximum 200 inverters.

Registration

LeadSolar Link SN:*

LeadSolar MicroInverter ID:*

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Note: After adding microinverter to binding with your gateway which registered on your account, you should go to “My Profile” to check your installer’s information

3.4. Device Management

3.4.1. Gateway Replace

You can replace your gateway with another gateway. But you can’t delete the gateway from end user account. You need to select a gateway first before replacement.

Leadsolar Link SN#

Leadsolar Link SN#

Close Save

3.4.2. Inverter Management

You also can replace inverter with new one, and also can delete inverter from your account.

Device Management

Leadsolar Link SN 011210010001

MicroInverter ID -- Please Select --

Date

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3.5. Dashboard

3.5.1. Dashboard displays complete details of user account

The screenshot shows the LeadSolar dashboard interface. At the top, the LeadSolar logo is on the left, and a user profile 'Welcome Leo' with a 'Logout' button is on the right. Below the logo is a navigation menu with 'Dashboard' (highlighted), 'Device Management', 'My Account', 'Tech Support', and 'Contact Us'. The main content area features four summary cards: 'Trees Planted' (2.69 trees), 'Carbon Offset' (268.83 kg), 'Income' (\$34.25), and a weather icon. Below these is a table of energy usage:

Power Now	Today's Energy	Monthly Energy	Yearly Energy	Total Energy
949.03 W	12.07 kWh	203.42 kWh	342.46 kWh	342.46 kWh

Below the table is a 'Panel' section with tabs for 'Power' and 'Energy'. The 'Energy' tab is active, displaying a 3x9 grid of energy usage cards for various panels. Each card shows a panel ID and its current power consumption in Watts (W). The values range from 0.0W to 43.2W. One card (05024EB0EE00) is highlighted in dark blue.

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3.5.2. Environmental benefits and economic benefits

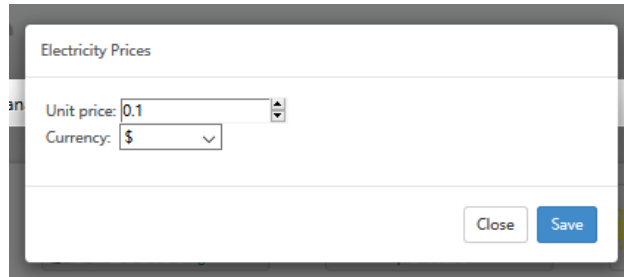
This section displays the environmental benefits and economic benefits, as well as weather information.

This section displays four summary cards:

- Trees Planted:** 0.08 trees
- Carbon Offset:** 2.04 ton
- Income:** \$50.80
- Weather:** Mostly cloudy - 9 C, Humidity 53, Wind N at 9 kph

3.5.3. Electricity Prices setting

Electricity price can be set by pressing Income button.



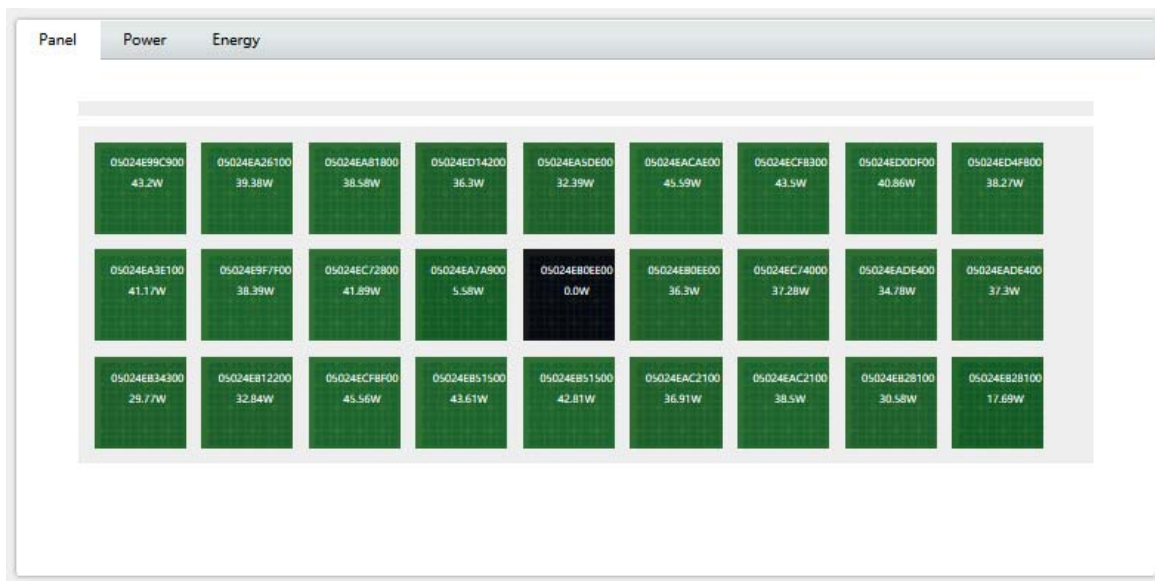
3.5.4. Power Details

This section displays the complete power details. It consists of Total inverters current power, Today's power, Month power, Year power and total power.

Power Now	Today's Energy	Monthly Energy	Yearly Energy	Total Energy
655.66 W	8.87 Kwh	72.57 Kwh	126.61 Kwh	126.61 Kwh

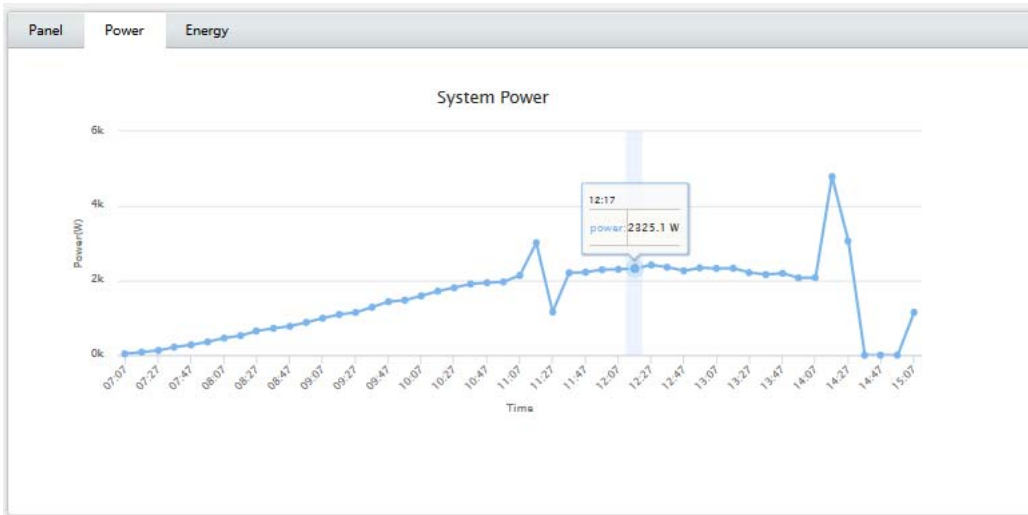
3.5.5. Panel view

This section displays information of all inverters, including the inverter's SN, current output power (unit: watt), working status, and the energy for Month/Year/All. By default, the panel only displays the Inverter's SN and current output power (unit: watt), and put mouse pointer on the panel, it displays all information.



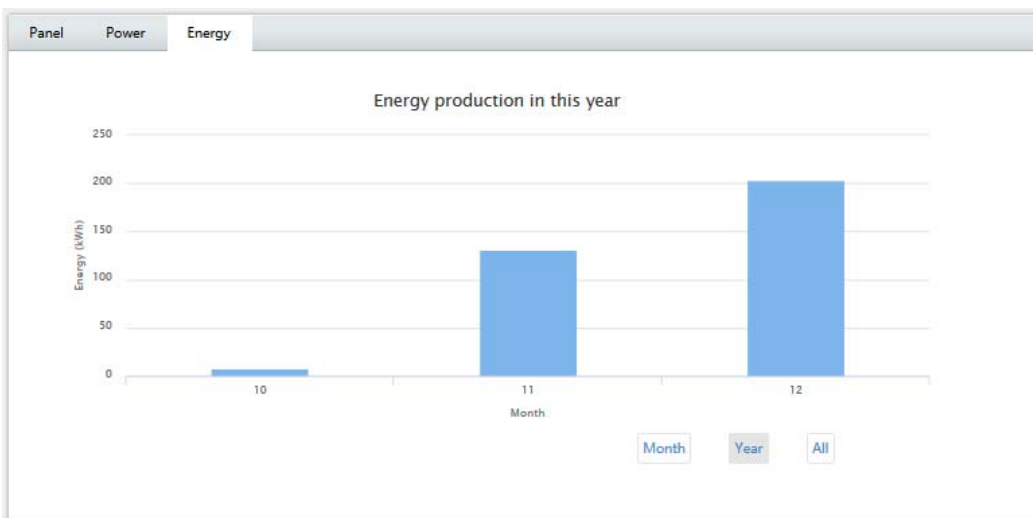
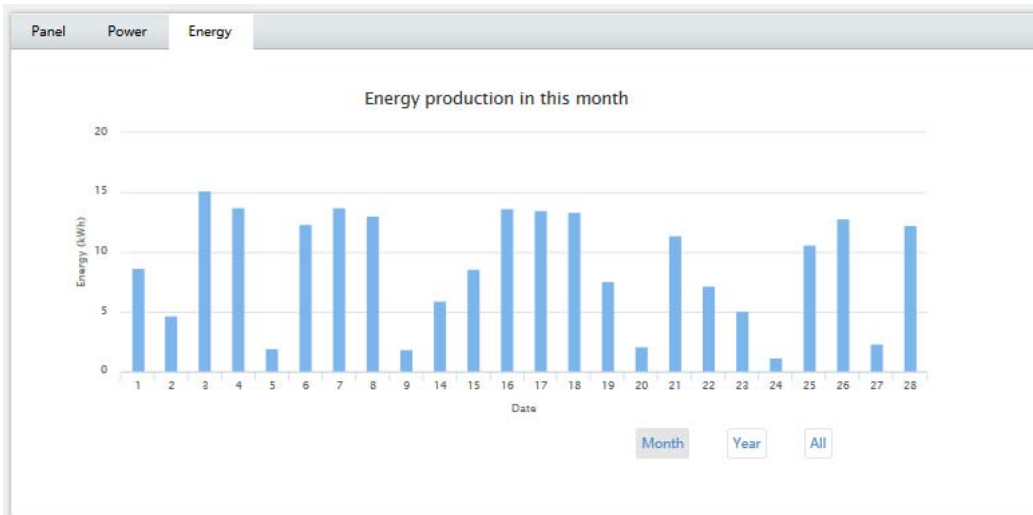
3.5.6. Power View

This section displays the power graph for Today. Each node is recorded in 20 minutes. When you put your month pointer on the node, you will get power generation information at that time.



3.5.7. Energy View

This section displays the power generation for Month, Year and All mode.





3.6. My Account

3.6.1. My Profile

This part displays the detail information of the user, and he can update his personal information.

The screenshot shows the "My Profile" page in the LeadSolar user interface. The page has a navigation bar with "Dashboard", "Device Management", "My Account" (highlighted), "Tech Support", and "Contact Us". The user is logged in as "Leo" and has a "Logout" button. The profile form contains the following fields:

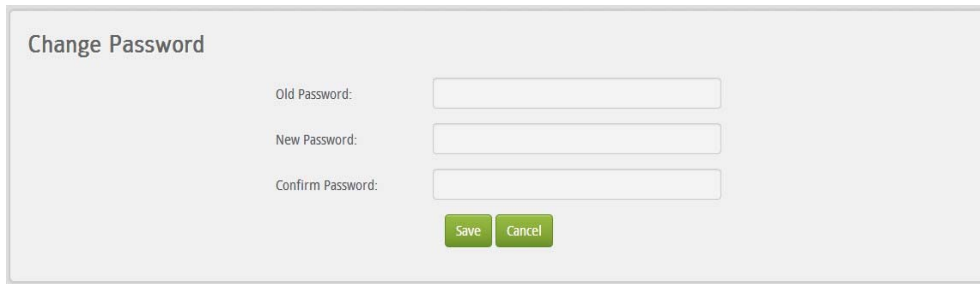
First Name:*	Leo	Last Name:*	Chow
Email:*	spzhou@leadsolar.com.cn	Role:	End user
My installer ID:*	46	Street Address:*	Room 402, Building A1, Tianan Intelliger
City:*	WuXi	State/Province:	Jiangsu
Country:*	China	Zip code:*	214135
Phone:*	0510 81817466	User's Installer:	46

At the bottom of the form are "Update" and "Cancel" buttons. The footer of the page reads "© 2011~2016 LeadSolar Energy Co., Ltd."

Note: After you finish inverter registration, you need to confirm the installation information. Then you should select the right installer's email ID or the installer ID, and you need to ensure all information of your installer is correct, then click on the 'update' button to update it.

3.6.2. Change Password

This section is used to change password.



The image shows a web form titled "Change Password". It contains three input fields: "Old Password:", "New Password:", and "Confirm Password:". Below the input fields are two buttons: "Save" and "Cancel".

3.7. Tech Support

3.7.1. Manual

You can down load user manual on this page.

3.7.2. FAQ

You can find frequently asked questions on this page.

3.7.3. Tech Papers

You can down load technical documents of LeadSolar products.

3.8. Contact US

3.8.1. Installer Info

You can find contact information of your installer on this page.

3.8.2. Technical Support

You can find contact information of LeadSolar technical support team on this page.