LeadSolar Monitoring System

Installer Manual

Dec 18, 2013

Ver 1.0

Contents

1.   Quick Installation

1.1. How it works?

- Take three easy steps to register online at www.leadsolarenergy.net

Collect SN from gateway and micro-inverters → Create a user account → Register gateway and microinverters using their SN → Monitoring online

- After registration is completed, the gateway will be permanently associated with the registered micro-inverters.
- During the registration, the system will activate the gateway and micro-inverters 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 can not be used to monitor other users' devices.

1.2. Finding the right number for registrations

You can find the Serial number (SN) of the Micro-inverters at the right corner of the label on the device.
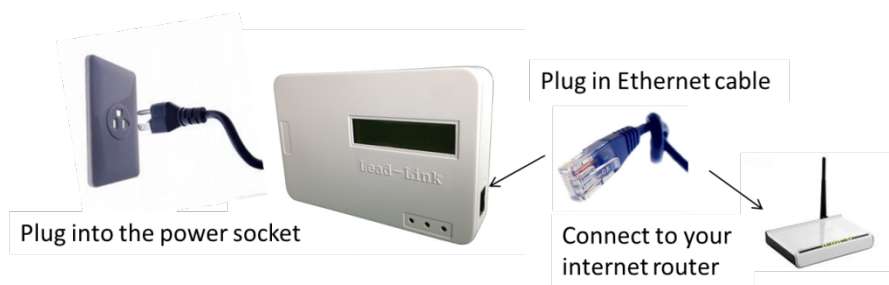
The Serial Number for the gateway is marked on the label on the back of the gateway as shown below:

1.3. Installing the gateway

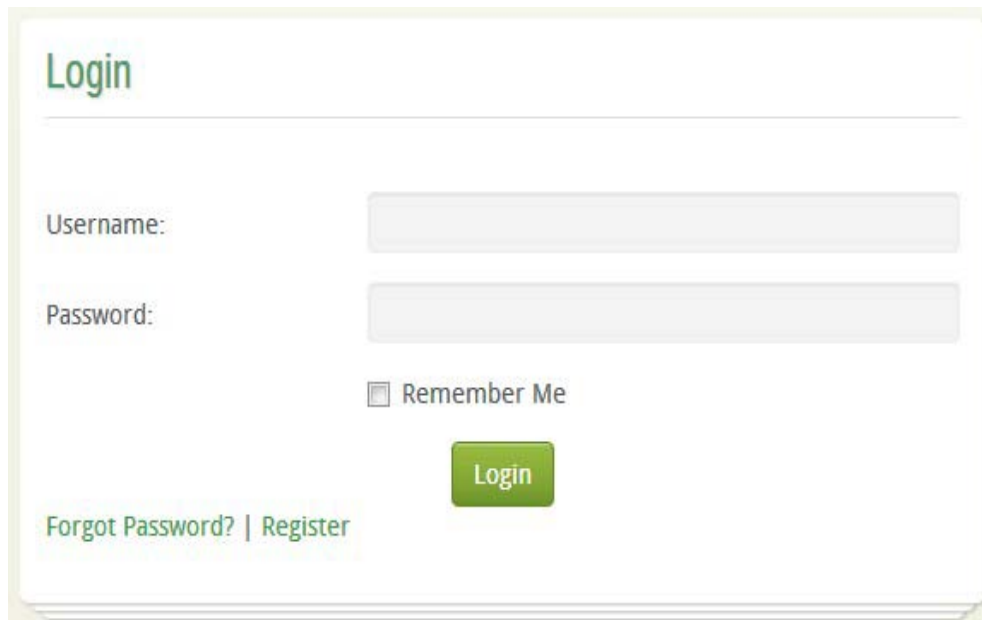Please refer to the following diagram for a quick installation of the Leadsolar Link:

- Please try to plug Leadsolar Link to the closest socket to the junction box where you make the solar system connection.
- Connect the Leadsolar Link and your router using an Ethernet cable. Please configure your router to a DHCP mode so an IP address can be automatically assigned to Leadsolar Link.
- The three indicator lights at the front panel show the status of Leadsolar Link:
- The **yellow** light: the power is connected.
- The **green** light: Internet is connected.
- The red/green light: communication is ON.

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

It will take you to this registration page:

Choose Image:		Browse	Upload
First Name:*			
Last Name:*			
Address:*			
City:*			
State:			
Country:*			
Zip code:*			
Contact No:*	+	Country	Region	Contact Number
Domain Name:			
	For LeadSolar Link Utility		
Email:*			
Password:*			
Security Question:*	--Select Security Question--		
Answer:*			
Spam Check:*	1TE4z9mX	Captcha Text is Case Sensitive	
Back	Create Account		

- Fill in all required fields (indicated by a green asterisk). Then click the "Create Account" button. (Note: the domain name field is optional.)
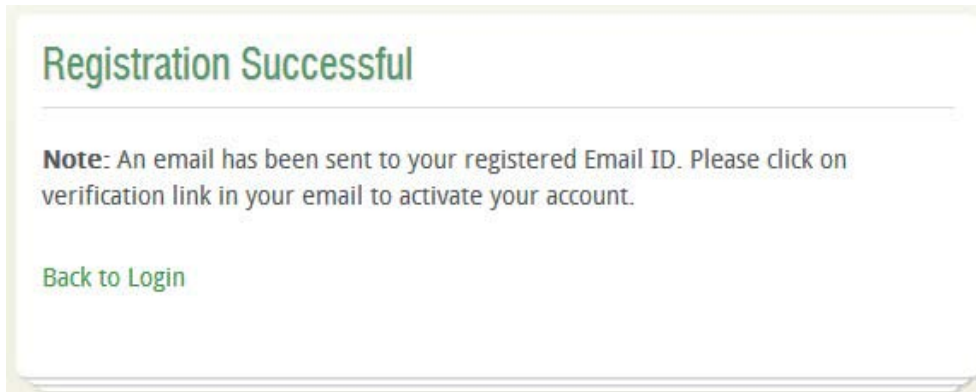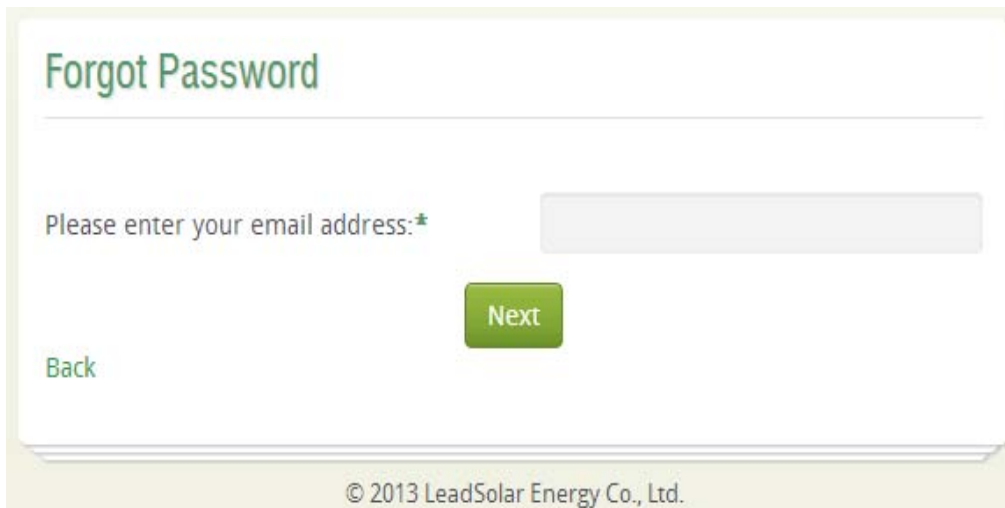
- Check your email for the verification link. Click the link provided -- you will be redirected to this webpage:

- 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 address during registration.

You need to answer the security question.

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

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.   Create Installer Account

3.1. Login:
• Input a valid username & password in order to enter into Lead solar system.
• Remember me – Will save the user name & password in browser cookie.

3.2. Forgot Password:

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

3.3. Security Question:

You need to answer the security question in order to get the password.

Security Question

Security Question:* What school did you attend for sixth grade?

Answer:* 123

Next

Back

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3.4. Account Registration:

You need to provide data for all required fields.

You can upload an image before register the account. Your name (Email) should be unique. When register successfully, you will get an activation email. Please click on the activation link in the email to activate your account.

3.5. Applying for Installer

Check the "Is Installer" checkbox and update the account. You may not login into the system until administrator approves your request.
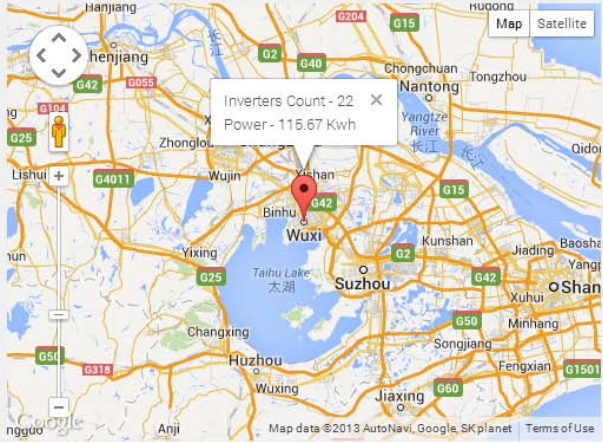
4. Overview

4.1. Installer Details:

As an installer user, you can see your account details on home page. Google map shows all your PV sites have been installed.

4.2. Customer Details:

You can search your customer details with provided search criteria. For example, when you input account ID and press "Search" button. The table lists details of the system.

The page will be redirect to dashboard by clicking on Gateway Image.

4.3. Dashboard:

Dashboard displays complete details of user account.

4.4. Power Details:

This part displays the complete power details of a user account. It consists of Total inverters current power, Todays power, Month power, Year power and total power.

| Power Now	Today's Energy	Monthly Energy	Yearly Energy	Total Energy
0 W	0 Kwh	0 Kwh	0.68 Kwh	0.68 Kwh

Dashboard contains two views:

1. Panel View
2. Graph View

4.5. Panel View:

Panel View consists of all inverter details with serial number on top of each inverter box. Inverter box background color changes according to the current power generated by the inverter. Color changes from black to Green as the power value increases from 0 to 250.

For more details of inverters, please focus your cursor on inverter box. It pops over with status, todays, last week, Month, Year, Total power details of inverters.

To change the Sort order of inverters, you can drag and drop the inverter box to another box location & save the changes. Panel View area can be zoomed in using the vertical bar available in panel view.
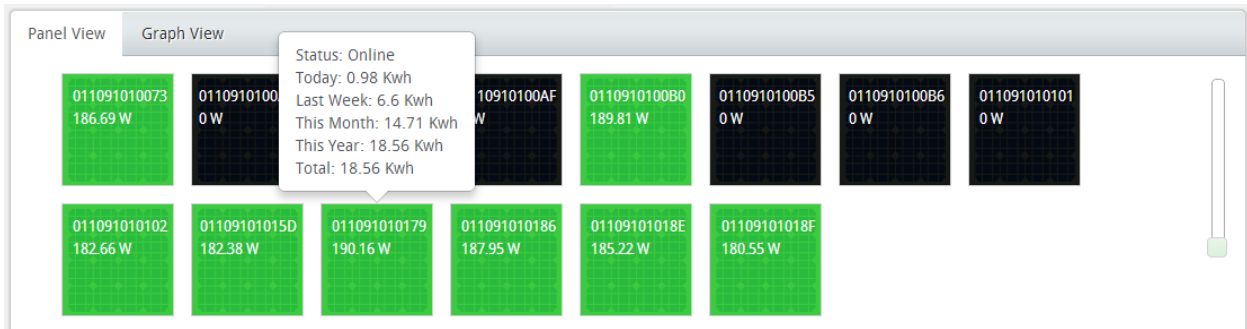
4.6. Graph View:

You can select different options (Today, last 30 days, this year)
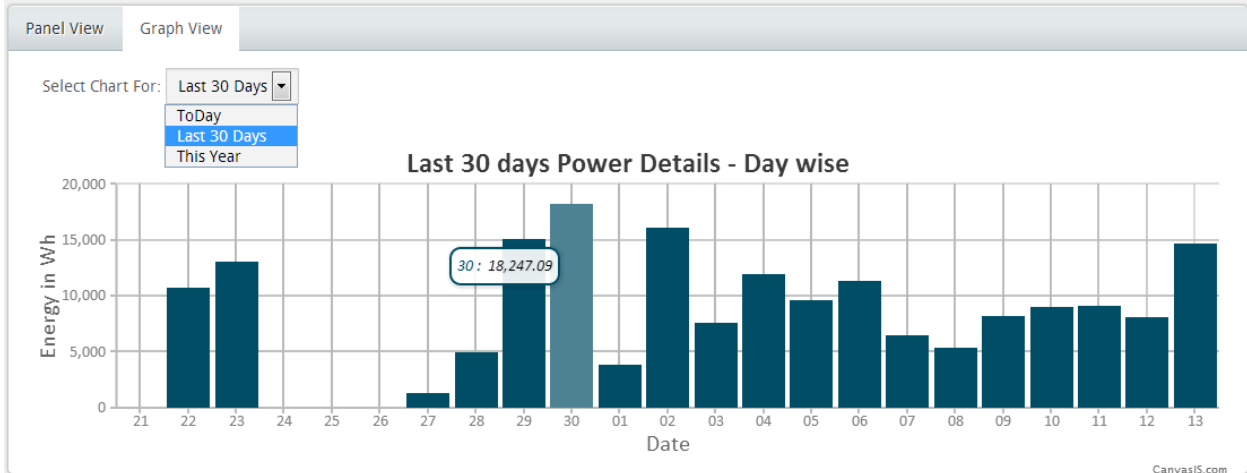
4.7. Monitor:

This is to download the inverter data in excel format. You can select respective customer email address, enter inverter serial number, and choose the "Download option" in order to download the data.

4.8. Alerts:

The list displays errors of inverters.

	ID	SerialNo	Description	ErrorTime
○	4319	011060000082	AC over-voltage	12/5/2013 1:27:18 PM
○	4318	011060000082	AC over-voltage	12/5/2013 1:25:56 PM
○	4317	011060000082	AC over-voltage	12/5/2013 1:24:37 PM
○	4316	01106000007C	AC over-voltage	12/5/2013 1:11:11 PM
○	4315	01106000007C	AC over-voltage	12/5/2013 1:09:50 PM
○	4314	01106000007C	AC over-voltage	12/5/2013 1:08:31 PM
○	4313	01106000007C	AC over-voltage	12/5/2013 1:07:13 PM
○	4312	01106000007C	AC over-voltage	12/5/2013 1:05:54 PM
○	4311	01106000007C	AC over-voltage	12/5/2013 1:04:34 PM
○	4310	01106000007C	AC over-voltage	12/5/2013 1:03:15 PM

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4.9. My Account:

On this screen, you can update your personal details.

My Profile

First Name:*	Anthony	Last Name:*	Smith
My installer ID:*	0	Address 1:*	15 Titmus Avenue
City:*	Salisbury East	State:*	South Australia
Country:*	Australia	Zip code:*	5109
Contact No:*	422139988	Email:*	smithanthonyy@yahoo.com.au
Is Installer?:	☐	User's Installer:	▼

Update   Cancel

4.10.   Change Password:

You can change the current password.

Old Password:

New Password:

Confirm Password:

Save   Cancel