



无锡英臻科技有限公司
IGEN Tech Co.,Ltd.

SOLARMAN Pro WEB

Operation Instructions

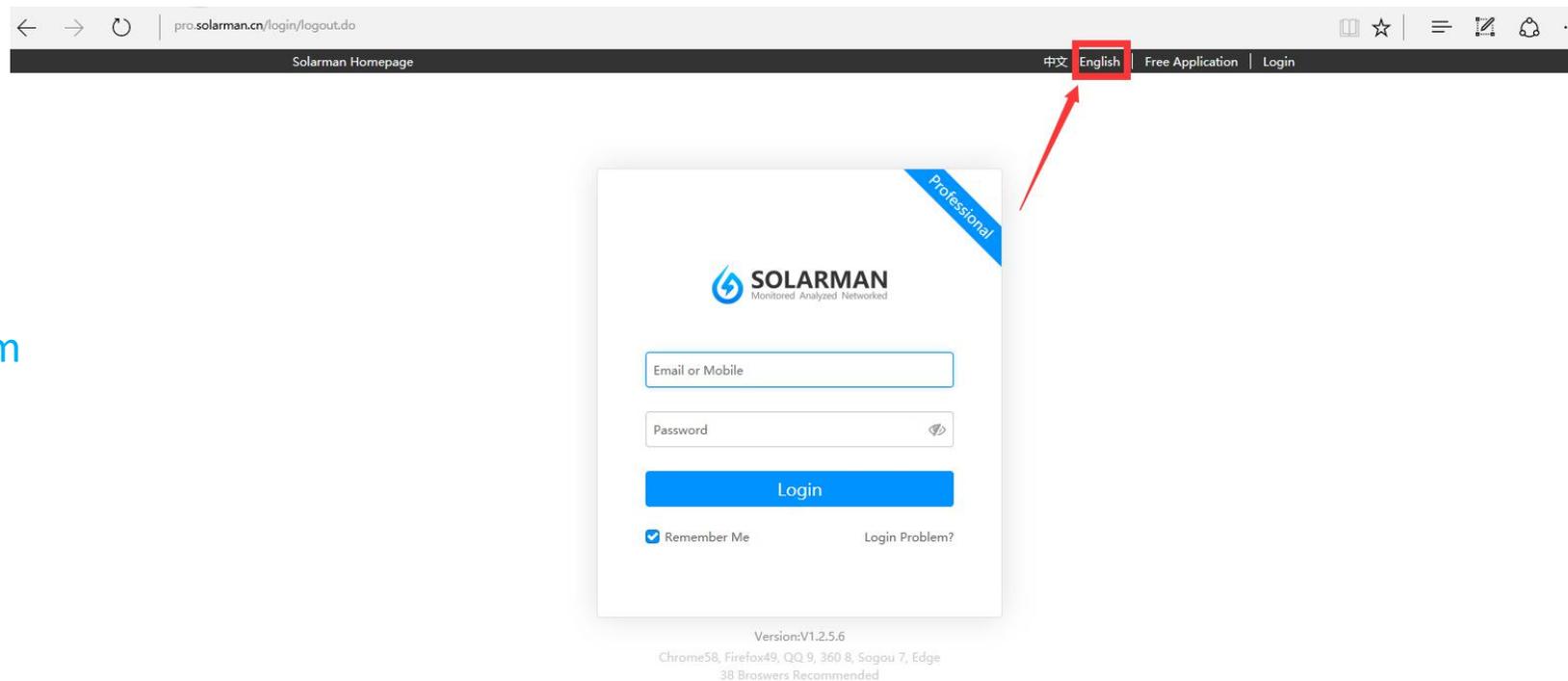


Login

- Please kindly enter into SOLARMAN website for Pro version at <http://pro.solarman.cn/> and choose English version.
- Type your account ID(Email or Mobile) and password to login. Then you can enter into Pro version website portal.

IGEN demo Account for your reference:

Account ID: zedlital@gmail.com
Password:12345678



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1. How to build a new plant?

Step 1: enter the Plant Center, single click **【Add a New Project】** at the top right corner.

The screenshot displays the SOLARMAN Plant Center interface. At the top, there are navigation tabs for Plant Center, Device Center, Alert Center, and Report Center. A search bar and a user profile (IGEN Demo) are also visible. Below the navigation, there are filters for Status, Region, Project Type, Site Capacity, and Name. A red arrow points to the 'Add a New Project' button in the top right corner.

The main content area is divided into several sections:

- Operating Status:** Updated At: 2017-06-15 16:27. Shows 21 Number of Plants, 8 Under Construction, 9 Online, 2 Offline, and 2 Alerts.
- Generation Overview:** Updated At: 2017-06-15 16:27. Shows 275.21 kW Current Power, 2.37MWp Site Capacity, 12.69MWh Today's Generation, 81.42MWh Monthly Generation, 921.45MWh Annual Generation, and 1.34GWh Total Generation.
- Alerts Today:** Updated At: 2017-06-15 16:27. Shows 251 Alerts, 56 Warnings, and 195 Failures.

Below these sections is a 'Map Mode' section with a world map showing the locations of plants. The map includes labels for various countries and regions. At the bottom of the map, there are buttons for 'Link All Owners', 'Unlink All', and 'Delete All'. A 'Select All' checkbox is also present.

In the bottom left corner, the time is 16:47:56, the date is 2017-06-15 Thursday (UTC+08:00), and the version is V1.2.5.6.

1. How to build a new plant?

Step 2: Fill Name, Project Type, On-grid type and Location.

The screenshot displays the SOLARMAN web application interface for adding a new project. The top navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. A search bar for records is present, along with a notification icon and the user profile 'IGEN Demo'. The breadcrumb trail indicates the current path: 'Plant Center > Project Management > Add a New Project'. The left sidebar shows navigation options: 'Project Management', 'Project Overview', and 'Project Diagrams'. The main content area features a progress indicator with two steps: '1 Confirm Project Description' (active) and '2 Confirm Correlation Details'. The 'Confirm Project Description' step is highlighted with a red box and contains the following form fields:

- Name:** IGEN
- Project Type:** Residential, Commercial, Industrial, Utility-scale
- On-grid Type:** All On-grid, Partly On-grid, Off-grid, Storage System, Energy Storage System
- Location:** China Jiangsu Sheng Wuxi Shi Binhu Qu

The location field is linked to a map showing the project site in Wuxi, China, with a red pin and a search icon. The map includes labels for 'Yunhe W Rd' and 'Yunhe West Rd'. The bottom left corner of the interface shows the time '17:00:27', the date '2017-06-15 Thursday (UTC+08:00)', and the version 'V1.2.5.6'.

1. How to build a new plant?

Step 3: click Satellite and switch to map mode, convenient to describe roof shape.

The screenshot shows the SOLARMAN web interface for adding a new project. The navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The breadcrumb trail is 'Plant Center > Project Management > Add a New Project'. The main content area features a progress indicator with two steps: '1 Confirm Project Description' (active) and '2 Confirm Correlation Details'. The form fields are as follows:

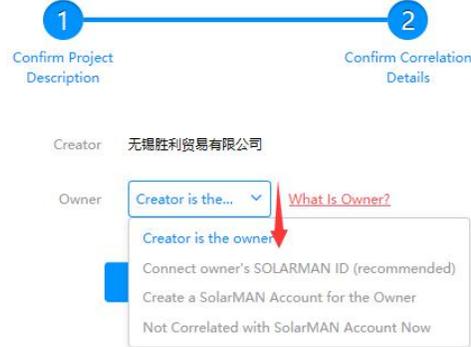
- Name: IGEN
- Project Type: Residential, Commercial, Industrial, Utility-scale
- On-grid Type: All On-grid, Partly On-grid, Off-grid, Storage System, Energy Storage System
- Location: ChinaJiangsu ShengWuxi ShiBinhu Qui

The location field is linked to a satellite map. A red arrow points to the 'Satellite' button in the map's top right corner, indicating the step to switch to satellite view for roof shape description.

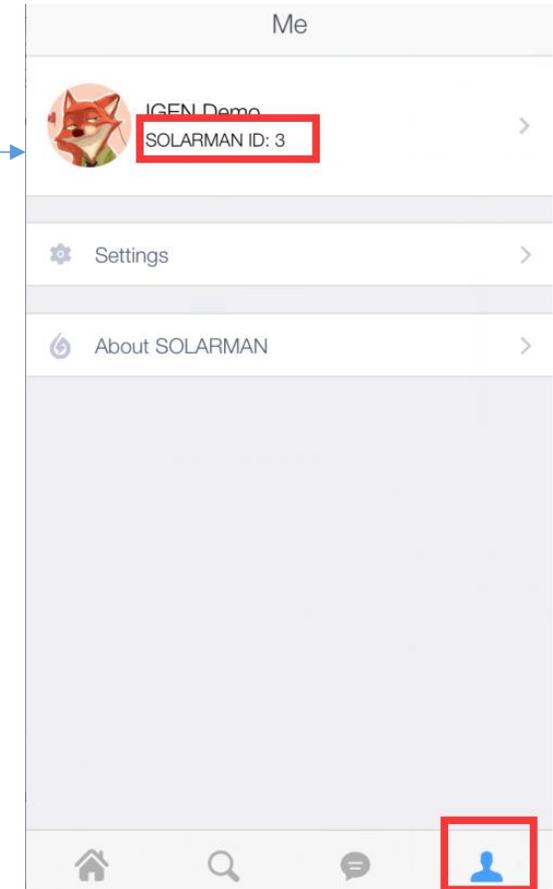
17:05:43
2017-06-15 Thursday
(UTC+08:00)
Version: V1.2.5.6

1. How to build a new plant?

Step 4 : confirm the owner's information and choose "Connect owner's SOLARMAN ID(recommended)" or "Create a SolarMAN account for the Owner".



How to find Solarman ID?



"Owner" drop-down options illustration:

- A. "Creator is the owner": if you yourself is the owner, choose this option.
- B. "Connect owner's SOLARMAN ID(recommended)": if your customer logged in Solarman home APP before, choose this option and ask customer to offer his **Solarman ID**.
- C. "Create a SolarMAN account for the Owner": if your customer has never used Solarman home version before and hope to know about plant profit, choose this option.
- D. "Not Correlated with SolarMAN Account Now": if your customer does not care about plant status or profit at all, choose this option.

1. How to build a new plant?

Step 5: click “Complete” and system will lead you a question that “ do you want to add a new device now ?”, if you know the data logger’s SN, we recommend you click “yes” and system will lead you to “Add a New Device” and type the data logger SN numbers one by one.

The image displays two screenshots from the SOLARMAN web interface. The left screenshot shows the 'Add a New Project' flow, with a confirmation dialog asking 'Project created successfully, do you want to add a new device now?'. The 'Yes' button is highlighted with a red box and a red arrow pointing to the right screenshot. The right screenshot shows the 'Add a New Device' form, where the 'SN Number' field is highlighted with a red box. The form includes fields for 'Device Type' (Data Logger), 'Brand' (SolarMAN), and 'SN Number'. The 'Add' and 'Import' buttons are also visible. A red circle with the number '2' is next to the 'Action' column in the table below the form.

2.How to add device (data logger) for the plant?

Step 2: single click the option 【Device】 at the top of the plant.

The screenshot displays the SOLARMAN web interface. At the top, there is a navigation bar with tabs for 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. A red box highlights the 'Device' tab, with a red arrow pointing to it. Below the navigation bar, the breadcrumb trail reads 'Plant Center > Project Management > Project Overview > 张大陆'. The main content area is divided into several sections: 'Project Details' (including project name, location, type, and capacity), 'Location' (with a map), 'Weather' (showing 19°C and sunrise/sunset times), and 'Alerts Today' (showing 0 alerts). Below these are tables for 'Generation' and 'Power Grid' data. The bottom left corner shows the time '9:12:28' and date '2017-06-16 Friday (UTC+08:00)'. The version number 'V1.2.5.6' is also visible.

2.How to add device (data logger) for the plant?

Step 3: single click “Add a New Device” at the top right corner and add **data logger** device.

The screenshot displays the SOLARMAN web interface. At the top, there is a navigation bar with 'SOLARMAN' and tabs for 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. A search bar for 'Search Records' is also present. In the top right corner, there is a notification icon with '31' and a user profile 'IGEN Demo'. Below this, a red circle with the number '1' highlights the 'Add a New Device' button. The main content area shows a breadcrumb trail: 'Plant Center > Project Management > Project Overview > 张大陆'. Below this, there are tabs for 'Details', 'Project Details', 'Module Layout', 'Device', 'Alerts', and 'Timeline'. The 'Device' tab is active, and a sub-tab 'Data Logger' is selected. A table with columns 'Device Stat...', 'Name/SN number', 'Brand/Model', 'Logger Type', 'Signal Strength', 'Balance', 'Connecting Device (A...', 'Latest Alerts', and 'Last Updated' is visible. A modal dialog box titled 'Add a New Device' is open in the center. It contains a 'Device Type' dropdown set to 'Data Logger', a 'Brand' dropdown set to 'SolarMAN', and an 'SN Number' input field. The 'Add' button next to the 'SN Number' field is highlighted with a red box and a red circle with the number '2'. Below the input field, there is a table with columns 'SN Number' and 'Action', and a row with '(Not Available)' in the 'SN Number' column. The bottom left corner of the interface shows the time '9:15:30', date '2017-06-16 Friday (UTC+08:00)', and version 'V1.2.5.6'.

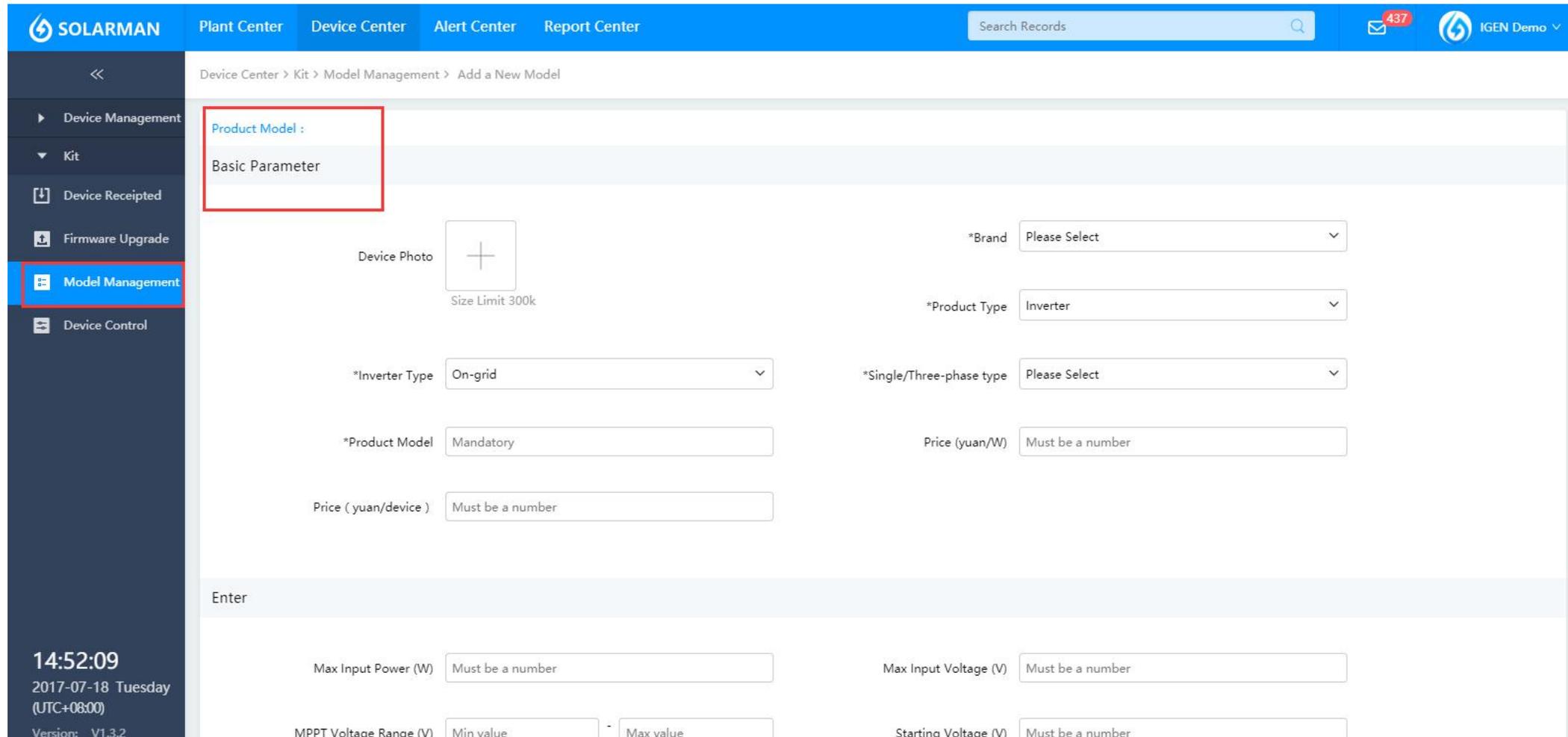
3. How to add device(inverter) for the plant?

- step 1: click “Device Center” at top and click “Model Management” at left side, then click “Add a New Model” at top right corner.

The screenshot displays the SOLARMAN web interface. At the top, the navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The 'Device Center' tab is highlighted with a red box. Below this, a breadcrumb trail shows 'Device Center > Kit > Model Management'. On the left sidebar, 'Model Management' is selected and highlighted with a red box. In the top right corner, the 'Add a New Model' button is also highlighted with a red box. A red arrow points from the 'Model Management' menu item to the 'Add a New Model' button. The main content area shows a table with columns: Product ..., Brand, Product Model, Product T..., Inverter Type, Single/Three-phase type, Unit Price, Updated Time, and Action. A message box in the center states: 'Product model not available, click here to create a product model'. At the bottom left, the time is 14:48:30 on 2017-07-18 Tuesday (UTC+08:00), and the version is V1.3.2. At the bottom right, there is a 'Delete All' button.

3. How to add device(inverter)for the plant?

- step 2: fill the full information of Basic Parameter.



The screenshot displays the SOLARMAN web interface for adding a new device model. The navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The breadcrumb trail is 'Device Center > Kit > Model Management > Add a New Model'. The left sidebar shows 'Model Management' selected. The main form area is titled 'Product Model : Basic Parameter' and contains the following fields:

- Device Photo: A placeholder image with a '+' icon and a note 'Size Limit 300k'.
- *Brand: A dropdown menu with 'Please Select'.
- *Product Type: A dropdown menu with 'Inverter'.
- *Inverter Type: A dropdown menu with 'On-grid'.
- *Single/Three-phase type: A dropdown menu with 'Please Select'.
- *Product Model: A text input field with 'Mandatory'.
- Price (yuan/W): A text input field with 'Must be a number'.
- Price (yuan/device): A text input field with 'Must be a number'.
- Max Input Power (W): A text input field with 'Must be a number'.
- Max Input Voltage (V): A text input field with 'Must be a number'.
- MPPT Voltage Range (V): Two text input fields for 'Min value' and 'Max value'.
- Starting Voltage (V): A text input field with 'Must be a number'.

The bottom left corner shows the time '14:52:09', date '2017-07-18 Tuesday (UTC+08:00)', and version 'Version: V1.3.2'.

3. How to add device(inverter) for the plant?

- step 3: click “Save”.

The screenshot shows the SOLARMAN web interface for adding a new model. The breadcrumb trail is: Device Center > Kit > Model Management > Add a New Model. The form contains the following fields:

- Max Output Power (W): Must be a number
- Rated Input Power (W): Must be a number
- Rated On-grid Voltage (V): Must be a number
- Rated On-grid Frequency (Hz): Must be a number
- Max Output Current (A): Must be a number
- On-grid Voltage Range (V): Min value - Max value. Must be a number, and max value should outrun min value.
- On-grid Frequency Range (Hz): Min value - Max value. Must be a number, and max value should outrun min value.
- Efficiency section:
 - Max Frequency (%): Must be a number
 - Euro Efficiency (%): Must be a number
 - MPPT Efficiency (%): Must be a number

At the bottom, there are 'Cancel' and 'Save' buttons. The 'Save' button is highlighted with a red box.

2&3. How to add device for the plant?

After finishing adding, plant will be “under construction”. The system is waiting for data logger to upload data. Please ensure data logger is powered on and normal connection between inverter and data logger.

If GPRS data logger, data will update after 10 minutes. If WiFi data logger, please download SolarMAN Pro App for WiFi setting.

The screenshot displays the SolarMAN web interface. The top navigation bar includes 'SOLARMAN', 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The main content area is titled 'Plant Center > Project Management > Project Overview > 张大陆'. It features several panels: 'Project Details' with fields for Project Type (Residenti...), Owner (无锡胜利贸易有限公司), On-grid Type (Partly On-), Site Capacity (7.20kWp), Area (120.00m²), and Contact Number; 'Location' with a map; 'Weather' showing 19°C and '阴, 多云'; 'Alerts Today' showing 0 Alerts; 'Generation' table; and 'Power Grid' table. The bottom left corner shows the time 9:28:26, date 2017-06-16 Friday (UTC+0800), and version V1.2.5.6.

Current Power	Daily Effective Hours	Total Generation	Today' s Generation	Monthly Generation	Annual Generation
--	--	--	--	--	--

On-grid Power	Power Grid Status	Total On-grid Generation	Total Energy Purchased	Today' s On-grid Energy	Today' s Energy Purchased	Monthly On-grid Energy
--	--	--	--	--	--	--

Solarman Pro APP



4. How to create sub-accounts?

When users apply SOLARMAN account successfully, this account ID will be main account by default (have super administrator rights) , click avatar to enter **【Organization】** - **【Internal Organization】** , click **【Add New Accounts】** for sub-accounts and also can define the roles for each account, e.g. Administrator, Customer Service, Engineer, etc.

The screenshot displays the SOLARMAN web interface. The top navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The main content area is titled 'Organization > Internal Organization'. On the left sidebar, 'Internal Organization' is selected. A table lists accounts with columns for 'My Profile', 'Company', 'Email', 'Mobile', and 'Last Login'. A dropdown menu is open, showing options like 'My Profile', 'Company Profile', 'Organization', 'Full Screen', 'Settings', and 'Logout'. Red circles and boxes highlight the 'Organization' menu item, the '+Add New Accounts' button, and the 'Organization' menu item.

My Profile	Company	Email	Mobile	Last Login
<input type="checkbox"/> IGEN Demo Super Admin	无锡胜利贸易有限公司	zedlital@gmail.com	--	09:02 2017-06-16
<input type="checkbox"/> 121 Admin	无锡胜利贸易有限公司	1313@qq.com	--	--
<input type="checkbox"/> 1121 Admin	无锡胜利贸易有限公司	111@qq.com	--	--
<input type="checkbox"/> SusanWang Admin	无锡胜利贸易有限公司	418251064@qq.com	--	--

4. Correlate Other Org's Accounts

- Step 1 : click avatar to enter 【Organization】 - single click 【Correlate External Org】 to correlate this account to other organizations' accounts to make authorization easier (for example, after Manufacturer and Installor correlate the accounts, M can choose to provide inverter information to Installor; after accounts correlation, parent company can authorize device information to sub-company.

Organization > Correlate External Organizations

Organization Lists | New Correlated Accounts

Logo	Name	Address	Business Type	Manager	Number o...	Action
<input type="checkbox"/>	 无锡英臻科技上海分公司	上海凌空SOHO	Device Manufa...	Airline	1	Cancel the Correlation
<input type="checkbox"/>	 张大陆测试	上海市嘉定区纬五路188号	Device Manufa...	张大陆111	5	Cancel the Correlation

每页数量: 10 | 首页 | 上一页 | 1 | 下一页 | 尾页 | 共1页 2个结果

Select All | Cancel All Correlation

10:35:17
2017-06-16 周五
(UTC+08:00)
Version: V1.2.5.6

5. Correlate Other Org's Accounts

Step 2: single click **【Add New Correlated Accounts】** at the top right corner, type the organization name (company name) which needs correlation in the Search bar, click “Send Correlation Request”.

The screenshot displays the SOLARMAN web application interface. At the top, there is a navigation bar with 'SOLARMAN' and menu items: 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. A search bar labeled 'Search Records' is on the right. The main content area shows 'Organization > Correlate External Organizations'. A modal dialog titled 'Add New Correlated Accounts' is open in the center. The dialog has a search bar containing '中国EPC'. Below the search bar, a search result for '中国EPC' is displayed with a logo and address '无锡新区太湖大道'. To the right of the search result, details are shown: 'Business Type: Installer', 'Number of Employee: 2', and 'Manager: EPC'. A blue button labeled 'Send Correlation Request' is at the bottom of the dialog, highlighted with a red box. In the background, a table lists organizations with columns for Logo, Name, Address, Business Type, Manager, and Number o... (Number of Employees). Two rows are visible, both with 'Cancel the Correlation' buttons. The top right of the main interface has a button labeled 'Add New Correlated Accounts', also highlighted with a red box and a red arrow pointing to it. The bottom left shows the time '13:22:06' and date '2017-06-16 Friday (UTC+08:00)'. The bottom right has a 'Cancel All Correlation' button.

5. Correlate Other Org's Accounts

Step 3: after sending request, it will show “waiting for the Response”and “Resend”. Once agreed, correlation successful.

The screenshot shows the SOLARMAN web interface. The top navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. A search bar is present with the text 'Search Records'. The user is logged in as 'IGEN Demo'. The main content area is titled 'Organization > Correlate External Organizations'. A modal dialog box titled 'Add New Correlated Accounts' is open, showing search results for '中国EPC'. The dialog includes a search bar with the text '中国EPC', a list of results with a logo and address, and a detailed view of the selected organization. The detailed view shows the organization name '中国EPC', address '无锡新区姜湖大道', business type 'Installer', number of employees '2', and manager 'EPC'. At the bottom of the dialog, there are two buttons: 'Wait for the Response' and 'Resend', both highlighted with a red border. The background shows a table of organizations with columns for Logo, Name, Address, Business Type, Manager, and Number of Employees. The table has two rows: one for '无锡英臻科技上海分公司' and one for '张大陆测试'. The bottom of the interface shows a timestamp '13:24:29', date '2017-06-16 Friday (UTC+08:00)', and version 'V1.2.5.6'. There are also pagination controls and a 'Cancel All Correlation' button.

THANK YOU



SOLARMAN HOME APP



SOLARMAN PRO APP



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Any question, please call Customer Service : +86-400-181-0512