



无锡英臻科技有限公司
IGEN Tech Co.,Ltd.

SOLARMAN Pro WEB Operation Instructions



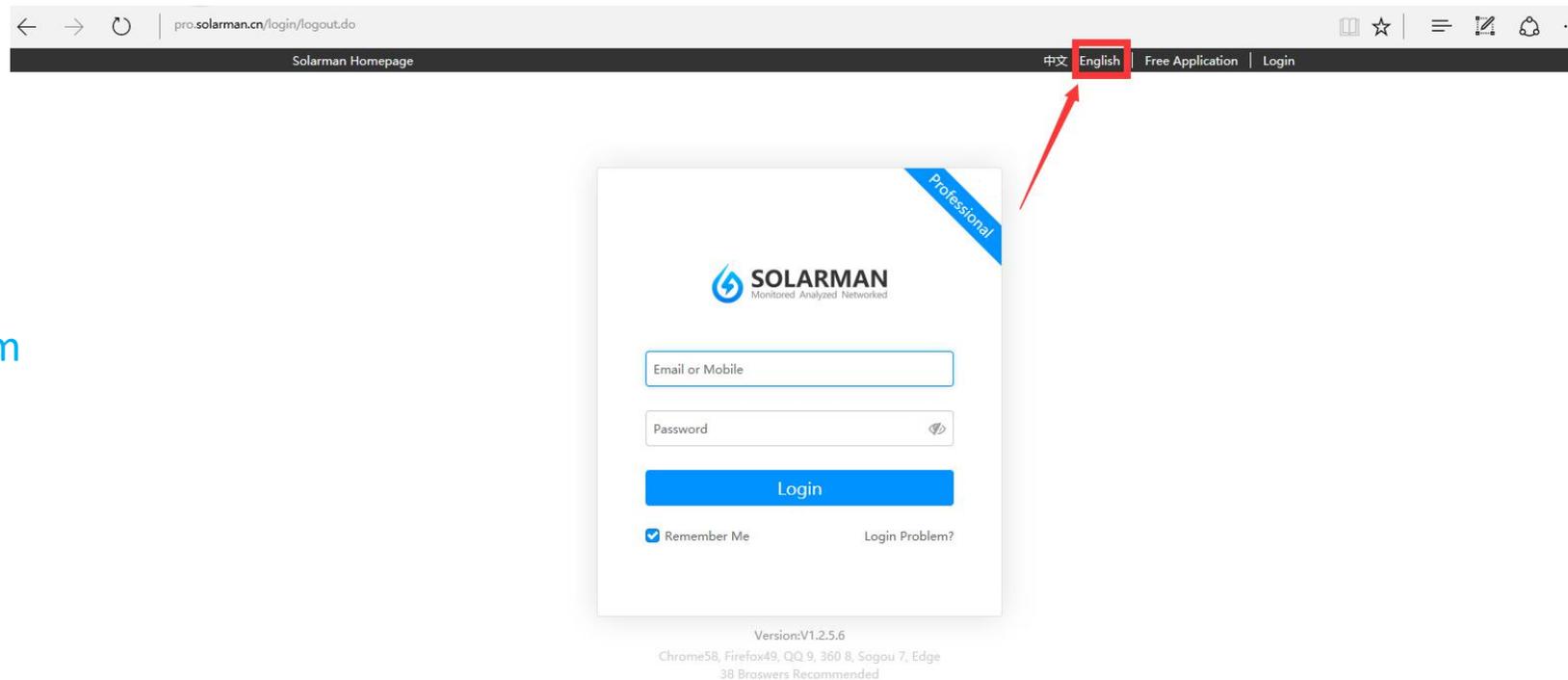
Login

- 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



Contents



- [1. How to build a new plant ?](#)
- [2. How to add device\(data logger\) for the plant?](#)
- [3. How to add device\(inverter\) for the plant?](#)
- [4. How to create sub-accounts?](#)
- [5. How to correlate other accounts?](#)

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 notification icon with '27' are also present. The main content area is divided into several sections:

- Operating Status:** Shows 21 Number of Plants. It includes a circular gauge and a table with the following data:

Under Construction	8	Online	9
Offline	2	Alerts	2
- Generation Overview:** Shows 275.21 kW Current Power and 2.37MWp Site Capacity. It includes a circular gauge and a table with the following data:

Today's Generation	12.69MWh	Monthly Generation	81.42MWh
Annual Generation	921.45MWh	Total Generation	1.34GWh
- Alerts Today:** Shows 251 Alerts. It includes a circular gauge and a table with the following data:

Warnings	56	Failures	195
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- Map Mode:** A world map showing the global distribution of plants. A red arrow points to the 'Add a New Project' button in the top right corner of the dashboard.

At the bottom left, there is a timestamp '16:47:56' and the date '2017-06-15 Thursday (UTC+08:00)'. The version number 'V1.2.5.6' is also displayed. At the bottom right, there are buttons for 'Link All Owners', 'Unlink All', and 'Delete All'.

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 'Search Records' and a notification icon with '27' are also present. The left sidebar shows 'Project Management' with sub-options for 'Project Overview' and 'Project Diagrams'. The main content area shows a progress bar with two steps: '1 Confirm Project Description' and '2 Confirm Correlation Details'. The 'Confirm Project Description' step is active and highlighted with a red box. 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 Qu

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

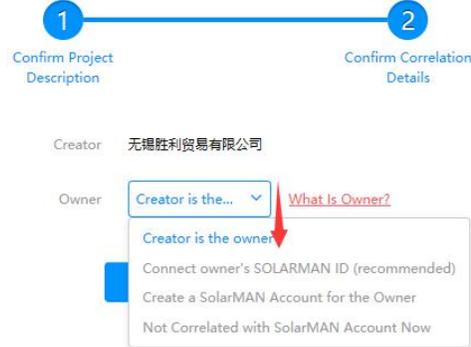
1. How to build a new plant?

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 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 breadcrumb trail is 'Plant Center > Project Management > Add a New Project'. The left sidebar shows 'Project Management' with sub-items 'Project Overview' and 'Project Diagrams'. The main content area displays a two-step process: '1 Confirm Project Description' and '2 Confirm Correlation Details'. The form fields are: 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. A satellite map is shown with a red location pin and a red arrow pointing to the 'Satellite' button. The bottom left corner shows the time '17:05:43', date '2017-06-15 Thursday (UTC+08:00)', and version 'V1.2.5.6'.

1. How to build a new plant?

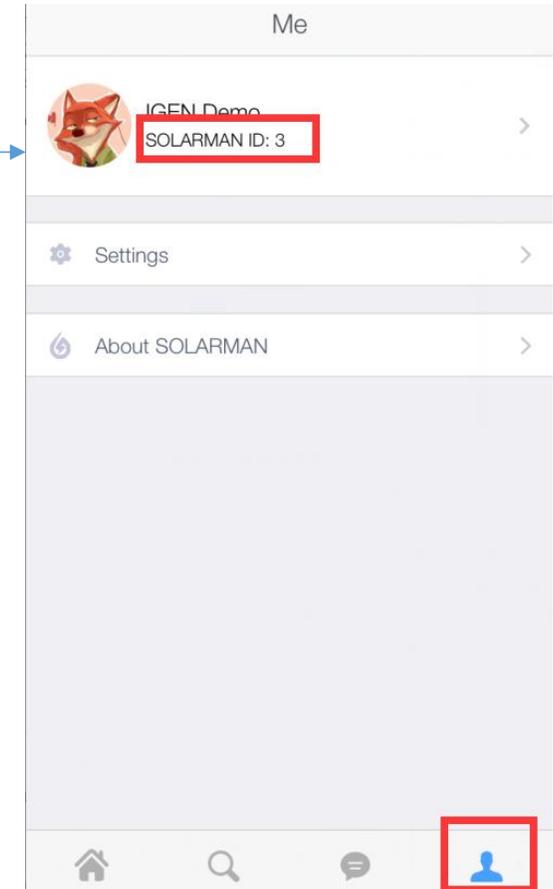
Step 4 : confirm the owner's information and choose "Connect owner's SOLARMAN ID(recommended)" or "Create a SolarMAN account for the Owner".



"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.

How to find Solarman ID?



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 placed near 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 search bar and a notification icon are also present. Below the navigation bar, the breadcrumb trail reads 'Plant Center > Project Management > Project Overview > 张大陆'. The main content area has several tabs: 'Details', 'Project Details', 'Module Layout', 'Device', 'Alerts', and 'Timeline'. The 'Device' tab is highlighted with a red box and a red arrow pointing to it. The interface shows project details for '张大陆' (Zhang Dalu), including location, weather, and alerts. The 'Alerts Today' section shows 0 Alerts, 0 Warnings, and 0 Failures. The 'Generation' and 'Power Grid' sections contain tables with various data points.

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
--	--	--	--	--	--	--

Monthly Energy Purchased	Annual On-grid Energy	Annual Energy Purchased
--	--	--

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 application interface. At the top, there is a navigation bar with tabs for Plant Center, Device Center, Alert Center, and Report Center. A search bar for records is also present. In the top right corner, there is a notification icon with '31' and a user profile dropdown labeled '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 the breadcrumb, there are tabs for Details, Project Details, Module Layout, Device, Alerts, and Timeline. The 'Device' tab is active, and within it, the 'Data Logger' sub-tab is selected. A table with columns for 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 dropdown for Device Type set to 'Data Logger', a dropdown for Brand set to 'SolarMAN', and an input field for SN Number. A red circle with the number '2' highlights the SN Number input field. There are 'Add' and 'Import' buttons next to the SN Number field. Below the input field, there is a table with columns for SN Number and Action, and a row with '(Not Available)' in the SN Number column. In the bottom left corner of the interface, the time is 9:15:30, the date is 2017-06-16 Friday (UTC+08:00), and the version is V1.2.5.6.

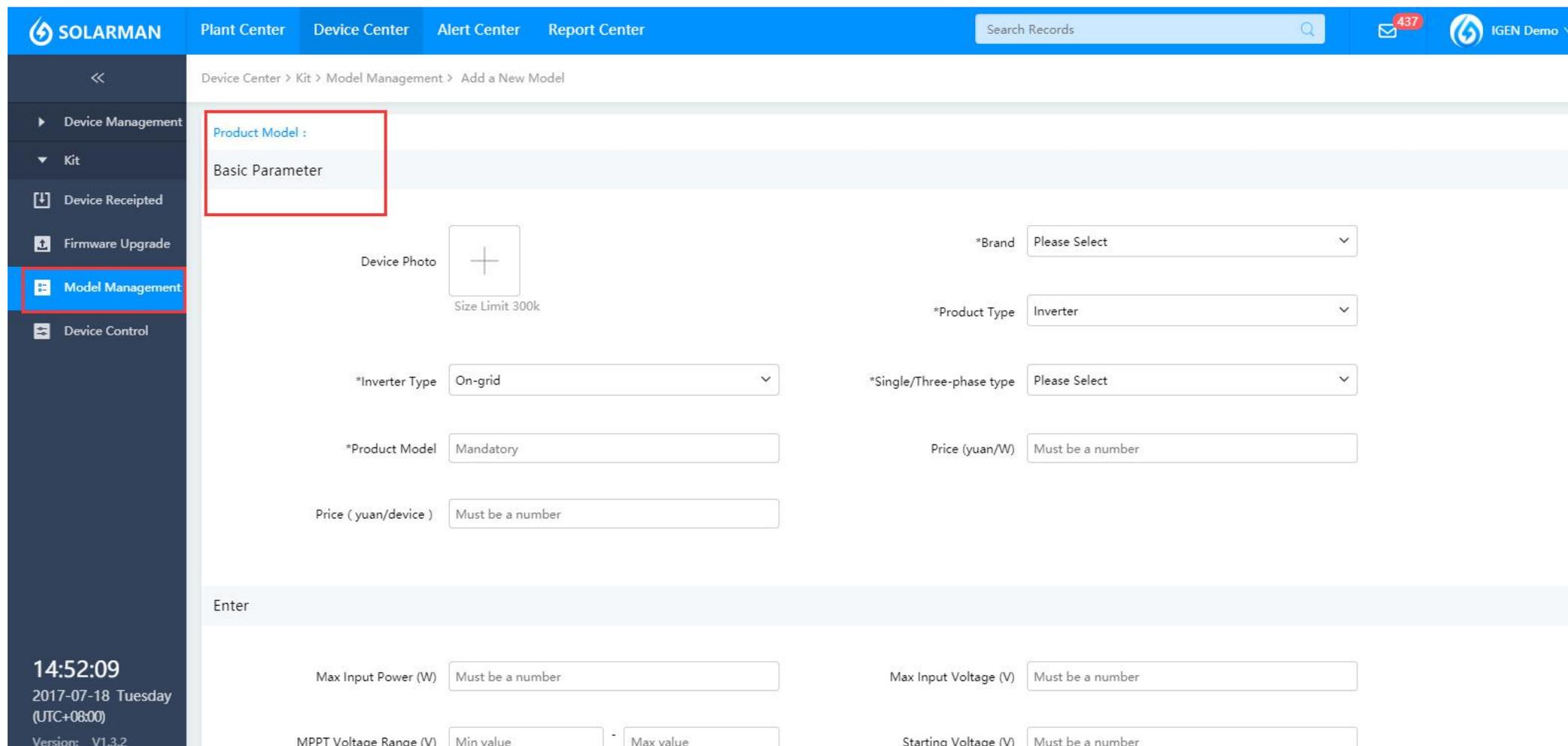
3. How to add device(inverter) for the plant?

- 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'. The left sidebar contains a menu with 'Device Management', 'Kit', 'Device Received', 'Firmware Upgrade', 'Model Management', and 'Device Control'. The 'Model Management' item is highlighted with a red box. A red arrow points from the 'Model Management' menu item to the 'Add a New Model' button in the top right corner. Another red arrow points from the 'Device Center' tab to the 'Model Management' menu item. 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 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 with a plus sign and "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".

At the bottom left, the time is 14:52:09 on 2017-07-18 Tuesday (UTC+08:00), and the version is V1.3.2.

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

- step 3: click “Save”.

The screenshot shows the SOLARMAN web interface. The top navigation bar includes 'Plant Center', 'Device Center', 'Alert Center', and 'Report Center'. The left sidebar shows 'Device Management', 'Kit', 'Device Received', 'Firmware Upgrade', 'Model Management', and 'Device Control'. The main content area is titled '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 sunset times; 'Alerts Today' with 0 Alerts; 'Generation' table; and 'Power Grid' table. The bottom left corner shows the time 9:28:26, date 2017-06-16 Friday, 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, 'Organization' is selected (2), and 'Internal Organization' is highlighted (3). The '+Add New Accounts' button is also highlighted (3). The main content area shows a table of users with columns for 'My Profile', 'Company', 'Email', 'Mobile', and 'Last Login'. The 'Organization' dropdown menu is open, showing options like 'My Profile', 'Company Profile', 'Organization' (1), 'Full Screen', 'Settings', and 'Logout'. The table lists four users: 'IGEN Demo Super Admin', '121 Admin', '1121 Admin', and 'SusanWang Admin'. The bottom of the page shows a pagination bar with '每页数量: 10' and '共1页 4个结果'.

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, Report Center. A search bar labeled 'Search Records' is present. In the top right corner, there is a notification icon with '33' and a user profile 'IGEN Demo'. Below the navigation bar, the main content area shows 'Organization > Correlate External Organizations'. A modal dialog box titled 'Add New Correlated Accounts' is open in the center. The dialog has a search bar containing '中国EPC'. Below the search bar, there is a list of search results for '中国EPC'. The first result is highlighted in blue and shows details: Business Type: Installer, Number of Employee: 2, Manager: EPC. At the bottom of the dialog, a blue button labeled 'Send Correlation Request' is highlighted with a red box. In the background, a table lists organizations with columns: Logo, Name, Address, Business Type, Manager, Number o..., and Action. Two rows are visible, both with 'Cancel the Correlation' buttons. In the top right corner of the main interface, a button labeled 'Add New Correlated Accounts' is highlighted with a red box, and a red arrow points from it towards the dialog box.

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 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' and a list of results. The first result is highlighted in blue and shows the logo, name '中国EPC', and address '无锡新区姜湖大道'. Below the search results, there are two buttons: 'Wait for the Response' and 'Resend', which are highlighted with a red box. The background shows a table with columns for Logo, Name, Address, Business Type, Manager, and Number o... (Number of Employees). The table has two rows of data. The first row has a logo, the name '无锡英臻科技上海分公司', and the business type 'Airline'. The second row has a logo, the name '张大陆测试', and the business type '张大陆111'. The bottom of the interface shows a status bar with the time '13:24:29', date '2017-06-16 Friday (UTC+08:00)', and version '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