The SolarEdge Cloud-Based Monitoring Platform – New Features

Dear SolarEdge customers,

SolarEdge is happy to introduce new features in the monitoring platform, designed to simplify and shorten the commissioning process, allow site sharing with other accounts and expand site visibility via APIs.

- **Commissioning Report**
- **Associated Accounts**
- **API Improvements**

### Commissioning Report

Following installation of your SolarEdge PV system, the next stage prior to initial operation is system commissioning. This ensures all aspects of the installation have been completed correctly.

To ease the commissioning process, the Commissioning Report provides a comprehensive checklist of key aspects of the SolarEdge installation in a clear format. It is especially useful when commissioning commercial systems, due to the large number of inverters, power optimizers and modules installed. After the system communications have been setup and connected to the monitoring platform, the report can be generated remotely to help onsite engineers confirm the installation has been built as designed. It can also be exported as a PDF or Excel file and submitted to inspectors approving the PV system.

**Commissioning report example**
The report can be used to confirm the following:

- All inverters are operating properly
- All inverters are set to the correct country and grid and have the same firmware versions
- Ground isolation is within the permitted range
- All power optimizers are connected and paired with inverters
- All additional system components are connected and are communicating, including:
  - Environmental sensors
  - Control and Communication Gateways
  - Meters
  - Batteries

The report also lists a number of inverter parameters such as:

- Model number & serial number
- First & last telemetry timestamp
- Status & alerts
- Number of connected power optimizers and modules
- Server communication method e.g. Ethernet/GSM

### Example of inverter parameters checklist

#### Inverters

<table>
<thead>
<tr>
<th>Name</th>
<th>S/N</th>
<th>Model</th>
<th>Alert</th>
<th>Error code</th>
<th>Country Name</th>
<th>Communication board version DSP1</th>
<th>Version DSP2</th>
<th>Version DSP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter 1</td>
<td>7E005673-47</td>
<td>SE17K-ER-01-NA</td>
<td></td>
<td></td>
<td>United States</td>
<td>2.003.0</td>
<td>1.13.336</td>
<td>2.19.237</td>
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<td>Inverter 2</td>
<td>7E0043F2-03</td>
<td>SE10K-ER-01-NA</td>
<td></td>
<td></td>
<td>United States</td>
<td>2.003.0</td>
<td>1.13.336</td>
<td>2.19.237</td>
</tr>
<tr>
<td>Inverter 3</td>
<td>7E0043F7-08</td>
<td>SE17K-ER-01-NA</td>
<td></td>
<td></td>
<td>United States</td>
<td>2.003.0</td>
<td>1.13.336</td>
<td>2.19.237</td>
</tr>
</tbody>
</table>

### Associated Accounts

With this feature you can allow other SolarEdge monitoring accounts to access selected sites in your account, either temporarily or permanently.

There are many reasons for granting such access, including:

- Allowing financiers/lenders to monitor energy production levels and revenue of sites in which they have invested
- Providing service sub-contractors temporary access while performing field repairs
- Granting monitoring service providers access to a fleet of systems
- Enabling distributors to access your sites so they can provide the first line of support
This process consists of two main steps:

- **Step 1:** Establishing an association with another account. At this stage, no information is shared.
- **Step 2:** Granting site access to associated accounts. You can select which sites will be shared and set the level of access (View-only or View/Edit). Access can be modified or revoked at any point.

### How to associate accounts

1. An **Associated Accounts** tab has been added to the **My Account** area in the monitoring platform. To start the process, click the **Add Associate Account** button as shown below.

2. You will be prompted to send the association request to the Admin of the desired account; the request will be sent via email.
3. Once the request has been approved, the account association will be established.

### How to grant access to sites

To grant an associated account access to a specific site, enter the **Associated Accounts** tab under that site’s **Admin** section and click the **Grant Access** button.

More information on the Associating Account feature can be found on the SolarEdge website.

### API Improvements

The SolarEdge monitoring platform includes an API that allows application developers to access their PV system data and integrate it in their own applications. More information about SolarEdge’s monitoring API is available [here](https://www.solaredge.com).

The following APIs have been added, providing greater visibility of your SolarEdge PV system:

- Inventory of installed site equipment including inverters, environmental sensors, meters, Control and Communication Gateways and batteries
- List of all sites, including disabled sites