SparqVu

SPARQ offers complete system management for initial installation as well as ongoing monitoring of the SPARQ System production and performance. Named "SparqVu", it offers a mobile friendly, easy to use solution for installers and end customers. The first step is to create your SparqVu account.

4.1. Creating a new SparqVu account

To create an account:

1- Go to http://sparqvu.com and click on the Register tab.

2- Enter an email address and password then click Register.

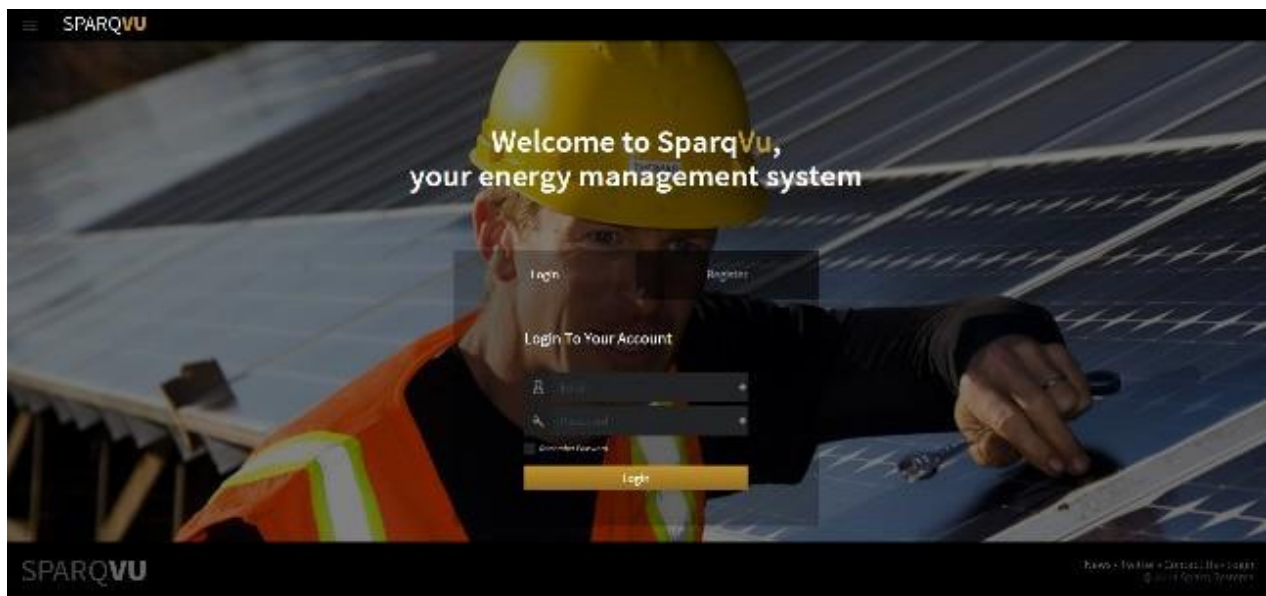3- Click on the link sent by SparqVu to your email account to verify your account.

Figure 30: SparqVu login page.

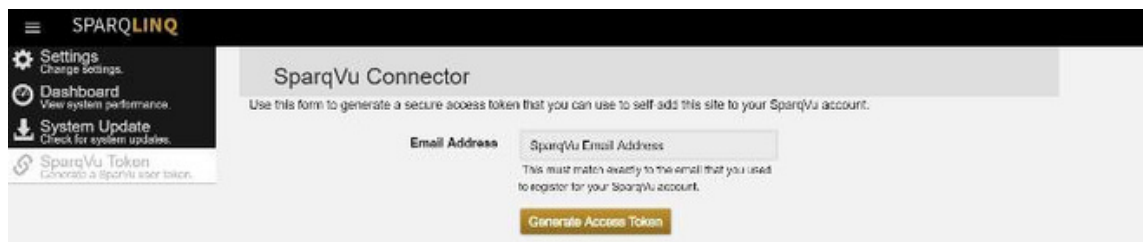## 4.2. Adding a new SparqLinq site to your SparqVu account

Figure 31: Adding a SparqLinq Site.

1   On the SparqLinq dashboard, click on the menu icon (three horizontal bars) in the top left corner of the dashboard page and then select the SparqVu Token option.

-    Enter the full email address that was used to create the SparqVu account and click "Generate Access Token" and copy the Token value.

2

29

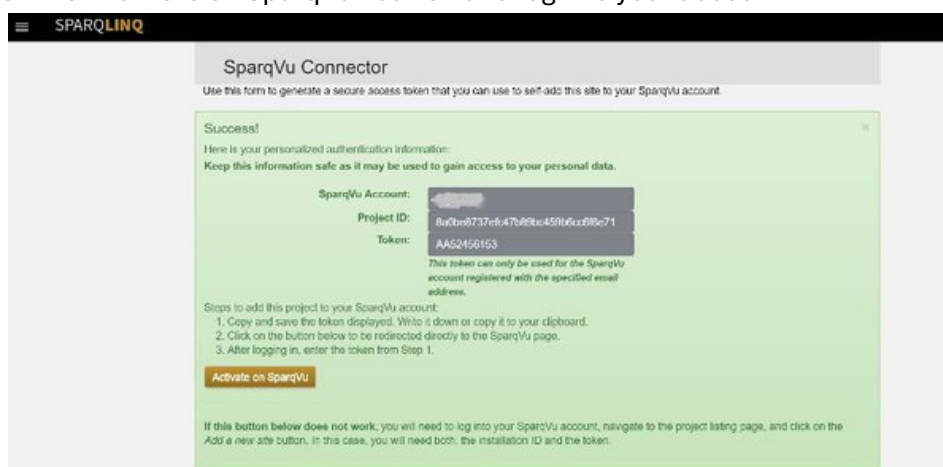3- Click on the "Activate on SparqVu" button and login to your account.

Figure 32: Setting-up access to the SparqVu.

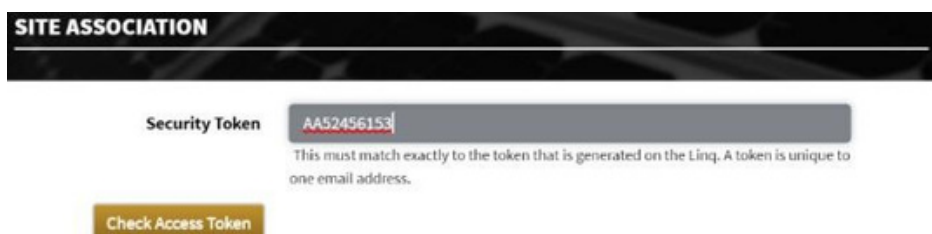4- Enter the Token copied from the SparqLinq and click Check Access Token.

Figure 33: Entering SparqLinq token.

SparqLinq should now be added to this SparqVu account. Additional SparqLinqs can be added to a SparqVu account by repeating these steps for each additional Linq.

4.3. Accessing a SparqVu project's /System page

In the upper right of the SparqVu dashboard is a small gear icon that can be used to view additional system information about the project site. Clicking on the gear icon to see the page.

Figure 34: Navigating SparqVu additional settings.

The /System page can allow installers to view customer and installation information. It also provides a way to remotely initiate a GFDI reset by clicking the [Clear GFDI] action.

Figure 35: SparqLinq system page.

Clicking on a microinverter serial number allows additional information to be displayed regarding that specific inverter and its modules.

Figure 36: Inverter detailed information.

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4.4.Documenting the module inverter connections during installation

As you design the system, SPARQ has included easy stickers to be mapped into your design. They allow the ability to identify which module is connected to which port, and which module has the Q2000 underneath it should any troubleshooting need to take place in the future.

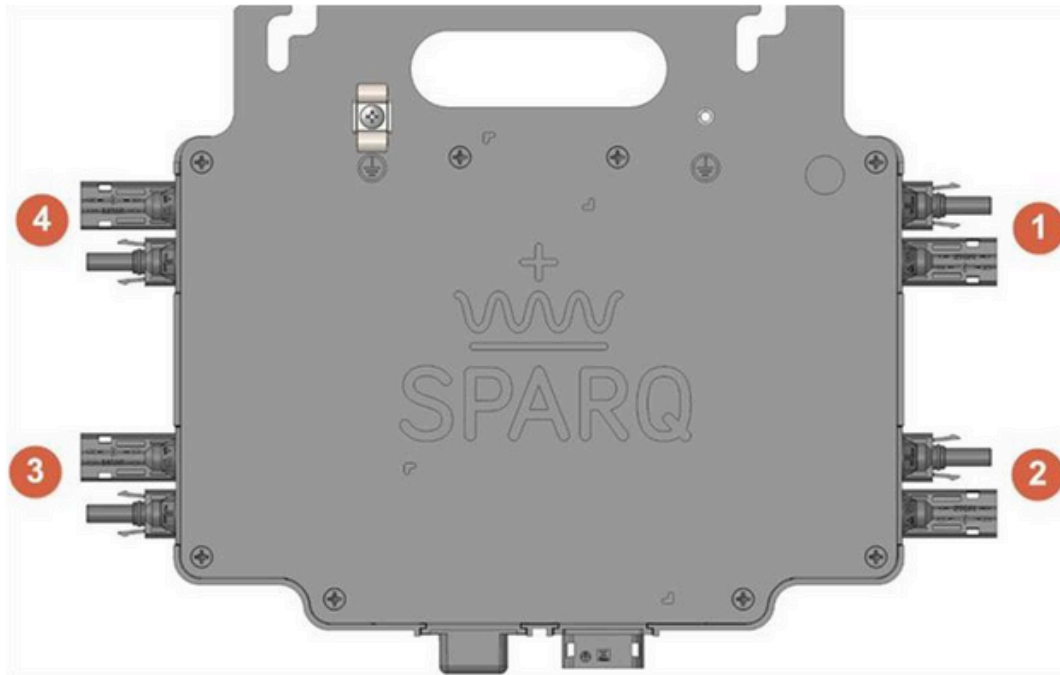Note the port numbering depicted below:

Figure 37: SPARQ microinverter DC port numbering.

A typical sticker map is shown below:

SPARQ				Q2000 Panel Map				N	
							E		W
Tilt:_____		Azimuth:_____						S	
1-4	1-2	2-4	2-2	3-4	3-2	4-4	4-2	5-4	5-2
1-3	1-1	2-3	2-1	3-3	3-1	4-3	4-1	5-3	5-1
6-4	6-2	7-4	7-2	8-4	8-2	9-4	9-2	10-4	10-2
6-3	6-1	7-3	7-1	8-3	8-1	9-3	9-1	10-3	10-1
11-4	11-2	12-4	12-2	13-4	13-2	14-4	14-2	15-4	15-2
11-3	11-1	12-3	12-1	13-3	13-1	14-3	14-1	15-3	15-1

Street

Customer Name & Address_____ Street_____

Figure 38: Panel map.

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Once logged in, the installer will be able to see all of the sites they are registered to manage. This is called the Project Selection page and is designed for when you are managing the 2nd customer and beyond:
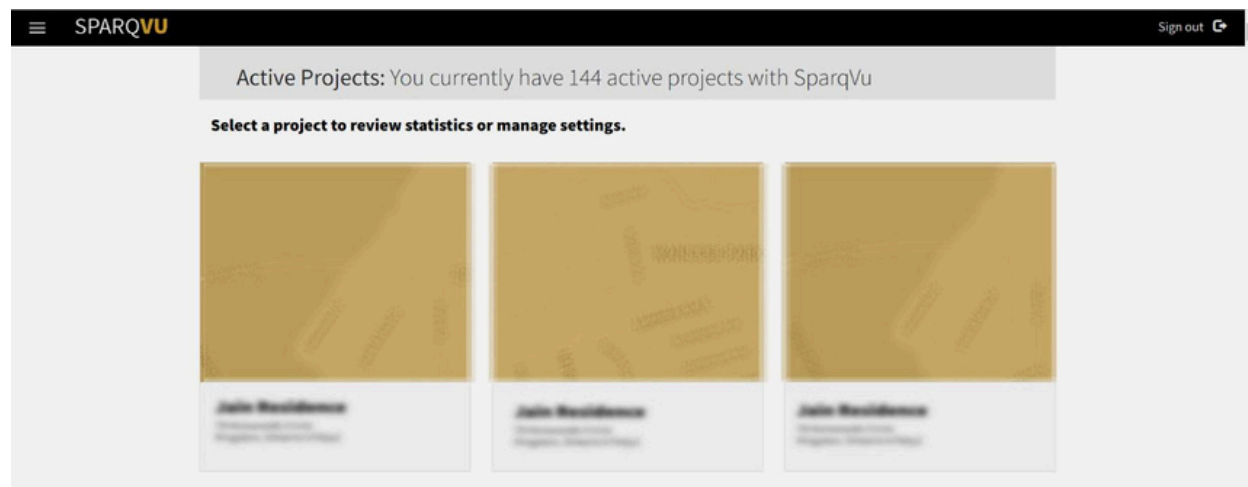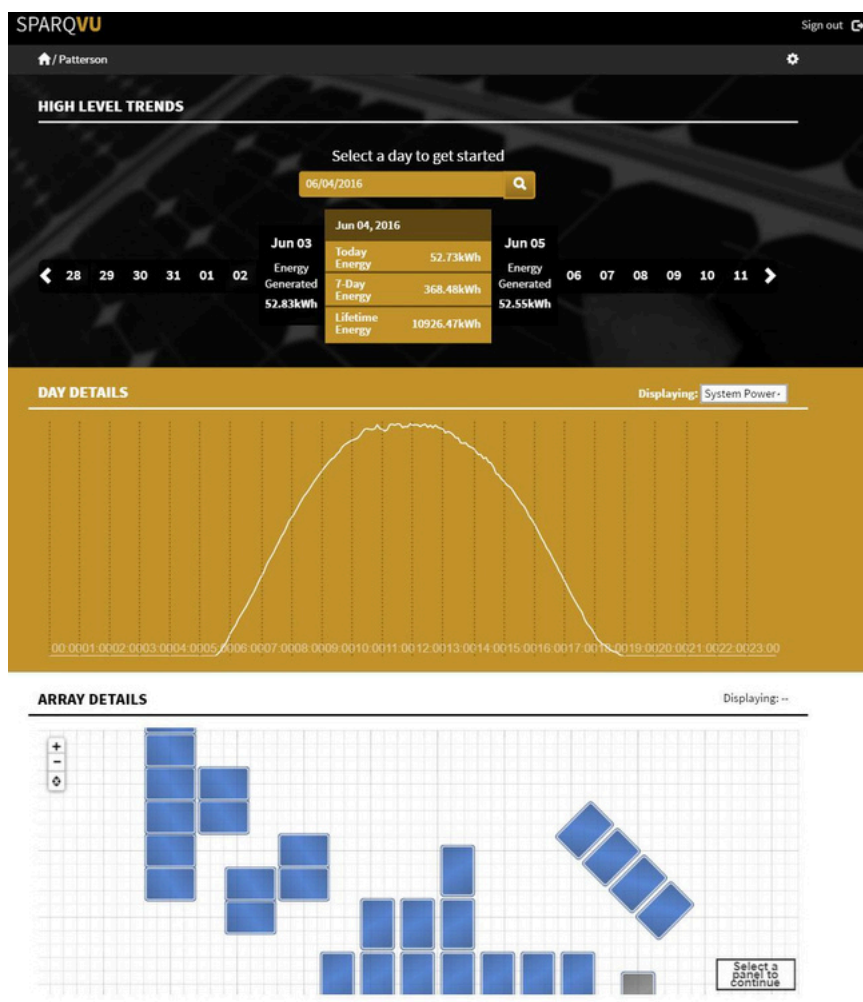

Figure 39: Navigating sites.

Figure 40: Navigating the dashboard.

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Once logged-in to a given site, the user will see a dashboard of their daily performance, as well as details on the array and module performance information by clicking on each module. Some of the key statistics include AC Output power, DC Input power per module, AC Grid Voltage, DC input voltage by module, and temperature, etc.