Application Note

Site Dashboard in the Monitoring Platform

Version 2.0

December 2024

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About

This user guide is intended for installers.

Revision History

Version	Date	Description
2.0	November 2024	Updated the user interface. Added import and export charts
1.0	March 2023	General availability release
0.5	November 2022	Beta release

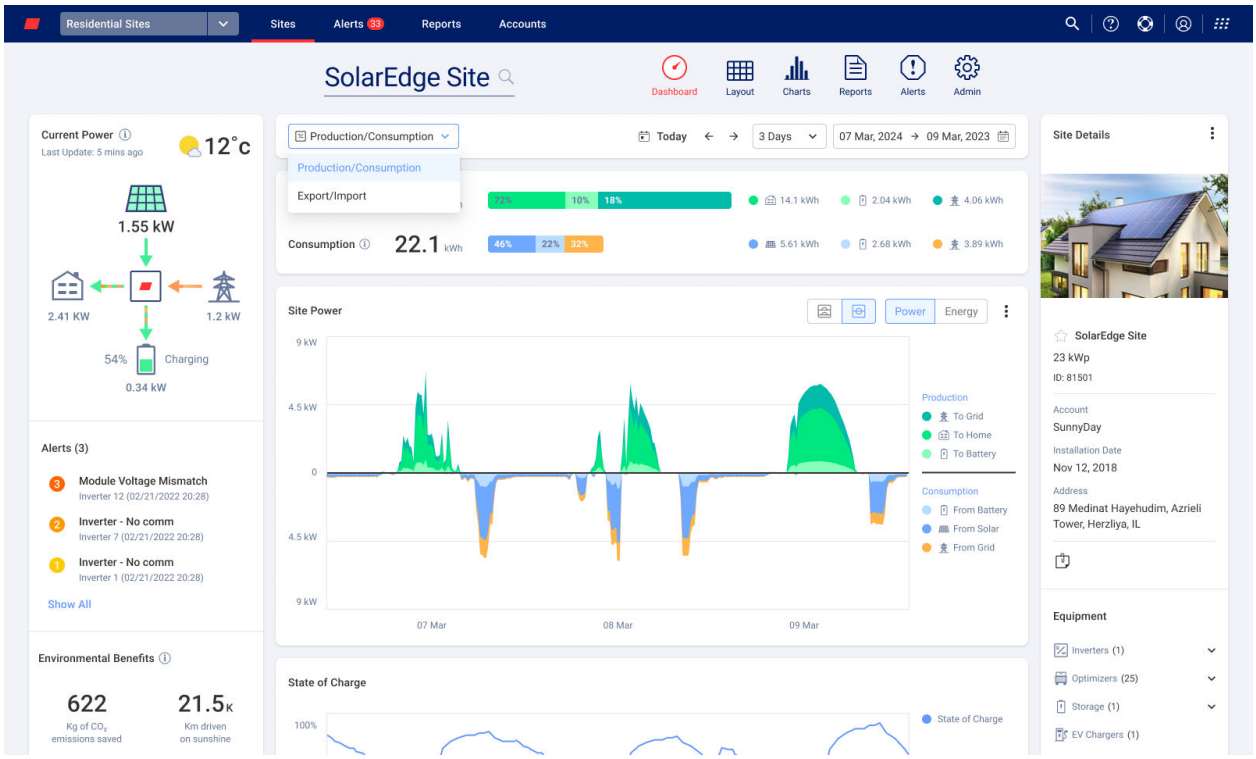
Site dashboard overview

The Site dashboard offers a comprehensive view of your site's performance. It enables you to visualize your production and consumption data, and view your on-site equipment, open alerts, and general information about the site.

To open the site dashboard:

1. Log in to the Monitoring Platform.
2. To access your site, click the **Site Name**.

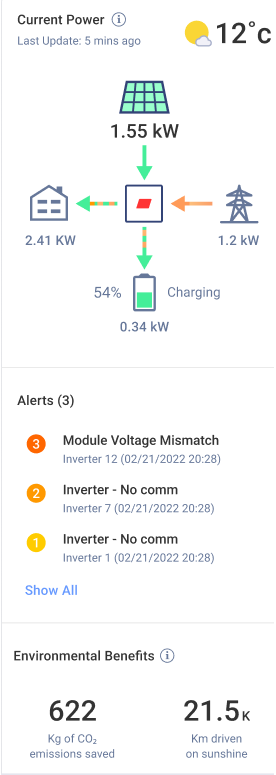
   The Site dashboard is displayed.



NOTE

- Only sites with batteries and a meter display full import and export data.
- Consumption information is only available if there is a meter on-site.

Current power flows, alerts and environmental benefits



Current power

This section of the dashboard displays the following:

- Weather
- Current power flows

Weather

To view the weather on-site:

Hover your cursor over the temperature to view detailed information about current and forecasted weather on-site.

The following image is an example of weather forecasted over 5 days:

Current Power widget

The Current Power widget displays the real-time flow and distribution between components on site, indicated by the arrows. Power is measured in Watts (W), or kilowatts (kW).

Live data automatically refreshes every five seconds. When live data is unavailable, the time of the last update is displayed.

The following information is displayed in the Power Flow diagram:

- Site import, or export of energy to and from the grid
- Power flow to and from the battery, and the charging status of the batteries
- Power flow to home loads

Alerts

Alerts display the number of open alerts on site, with a maximum of 3 alerts displayed. Each alert displays the following:

- The alert impact from 1-9
- The component the alert refers to
- The date the alert was opened

To view more information about an alert:

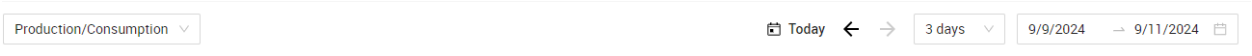
1. Click the alert, you are automatically redirected to site **Alerts**.
2. To return to the Site dashboard, select Dashboard.

Environmental benefits

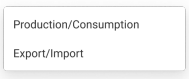
Your environmental benefits are calculated in the following ways:

- **Kg of CO_2 emissions saved**: Calculated by multiplying the energy the site produces by a factor that tells us how much CO_2 is prevented from being released into the air.
- **Km driven on sunshine**: Calculated by taking the energy produced by the site and figuring out how far an average car could drive using that amount of energy as if it were powered by sunshine instead of gasoline.

Top bar



To view Production/Consumption or Export/Import data on the dashboard:



Select which data to view on the dashboard. The default is Production/Consumption.

Refer to Production and Consumption and Export and Import [7] for further information on production and consumption.

To change the time-period:

Select the time-period to display on the dashboard. 3 days is the default time-period.

NOTE

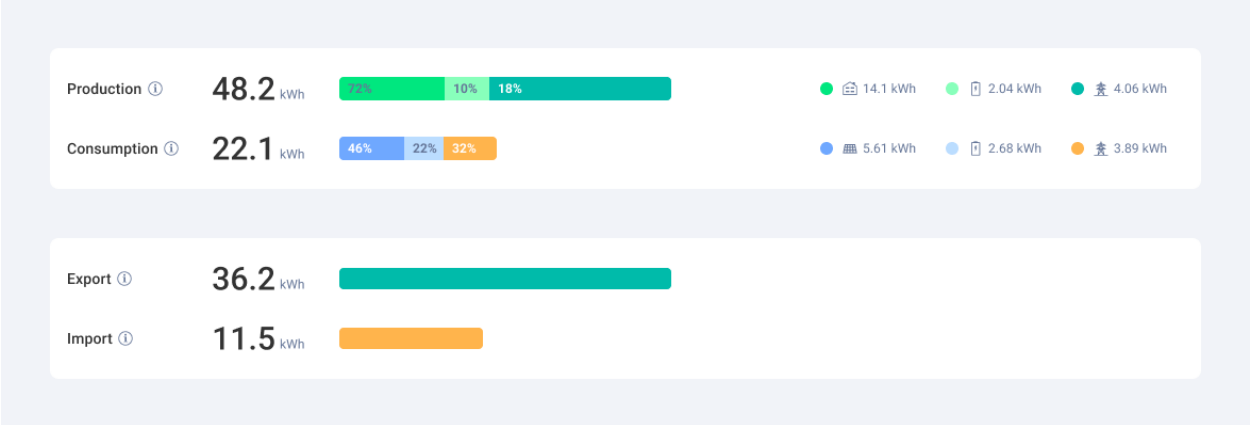
- On the charts the time interval for **Day** samples is set to 15 minutes.
- On the charts the time interval time for **Week** samples is set to 1 hour.
- For periods longer than one week, the chart automatically switches to Energy data, and power data is unavailable.

To add or change a Billing Cycle period for the site:

1. From the time-period box, select **Billing Settings.**
2. Select from the following options:
   - Calendar Months
   - Rolling Months
   - Rolling Days Range
3. In **Starts**, select a month.
4. From **Every**, select how often you want to view your Billing Cycle.
5. Click **Save**.

   Your **Billing Cycle Settings** are saved.

Production and consumption and export and import performance data



Production

Displays the destination of energy produced in kWh, for example, to home (site load), the utility grid, or to charge a battery.

- To home 

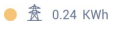
- To battery: 
- To grid 

Consumption

Displays the energy source, for example, from solar, from battery, or the grid.

- From solar

- From battery 

- From grid 

Export

Displays the energy exported to the grid, whether exported directly from solar, or from the battery being discharged to the grid.

Import

Displays the energy imported from the grid, whether imported for home load consumption, or to charge the battery.

Site dashboard charts

The following charts are displayed on your dashboard:

- **Site Power and Energy**: always displayed on the dashboard.
- **State of Charge**: displayed for sites with batteries.
- **Inverter Power and Energy**: displayed when there is more than one inverter on-site.
- **Comparative Energy**: always displayed on the dashboard.

Site Power and Energy charts

The Site Power and Energy charts display a visual representation of the distributed power or energy within a site. Power is displayed in an area chart, and Energy in a bar chart.

Power or Energy

1. Select from 

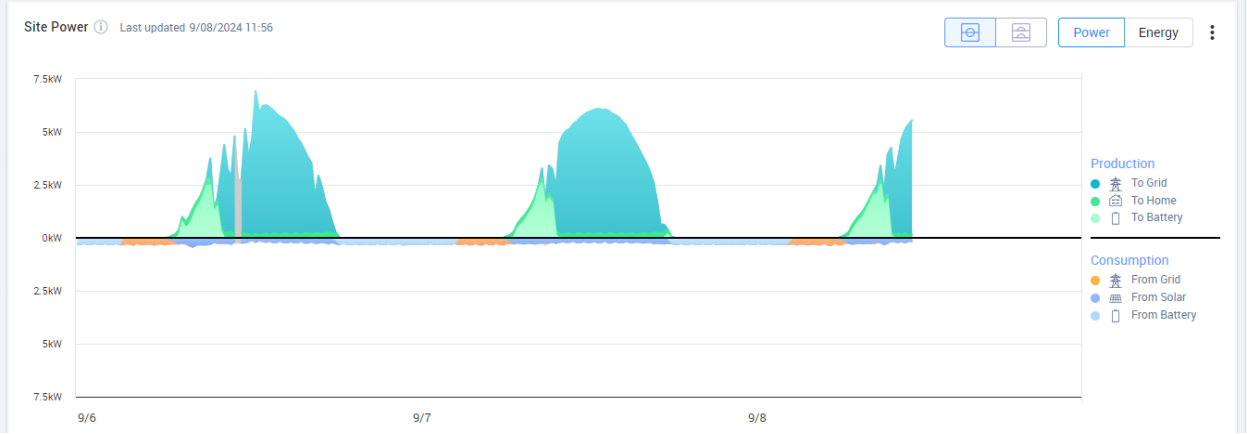
. By default, the chart displays **Power** data.

> **NOTE**
>
> **Power**: This is the rate at which your system generates electricity at any given moment, measured in kilowatts (kW).
>
> **Energy:** This is the total amount of electricity your system generates over time, measured in kilowatt-hours (kWh)

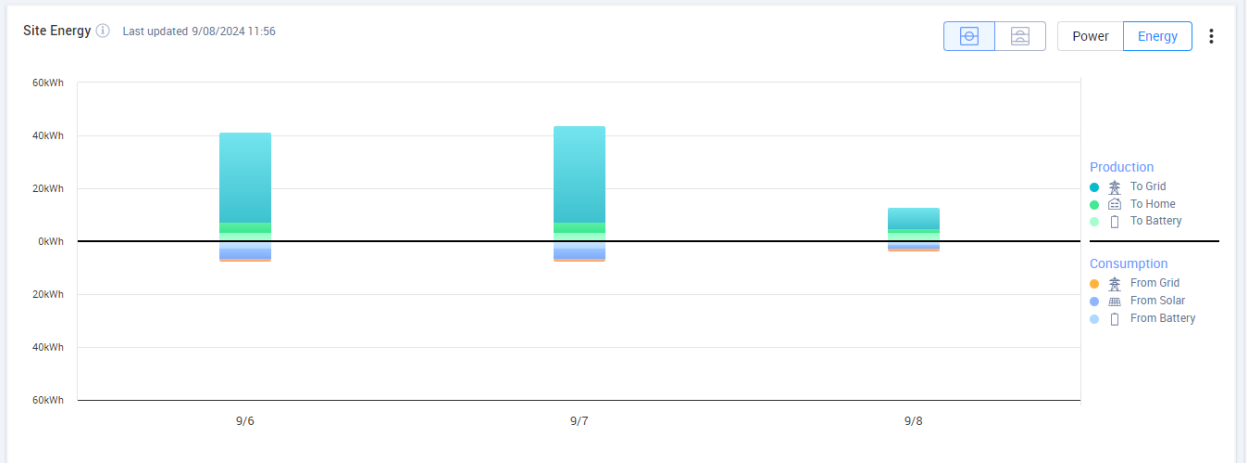
2. Select to split the chart, or to mirror the chart. By default, the chart is **mirrored**.

Site chart examples

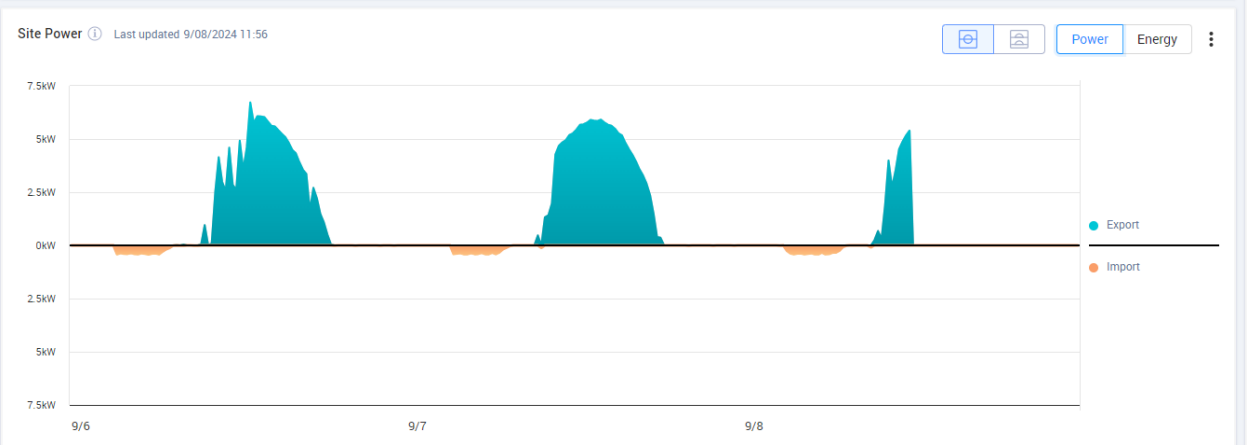
Site Power for Production/Consumption



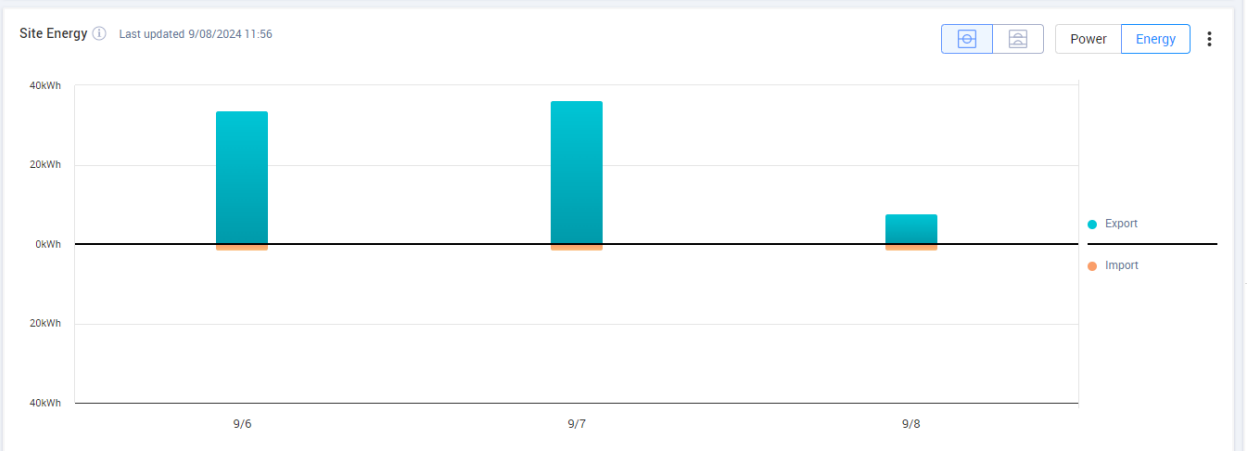
Site Energy for Production/Consumption



Site Power for Export/Import



Site Energy for Export/Import



Viewing and interacting with chart data

Move your cursor along a chart to view the following information:

In Power charts

- The time at each data point
- The date
- The weather conditions on-site
- How many Watts (W) the site is producing or consuming.

In Energy charts:

- The date
- The aggregated energy (kWh) for the site during your chosen time-period.

To deselect or reselect a destination/source on the chart legend:

Click the options under **Production** and **Consumption**.

To Export to CSV:

On the chart, click ⋮ > **Export to CSV**.

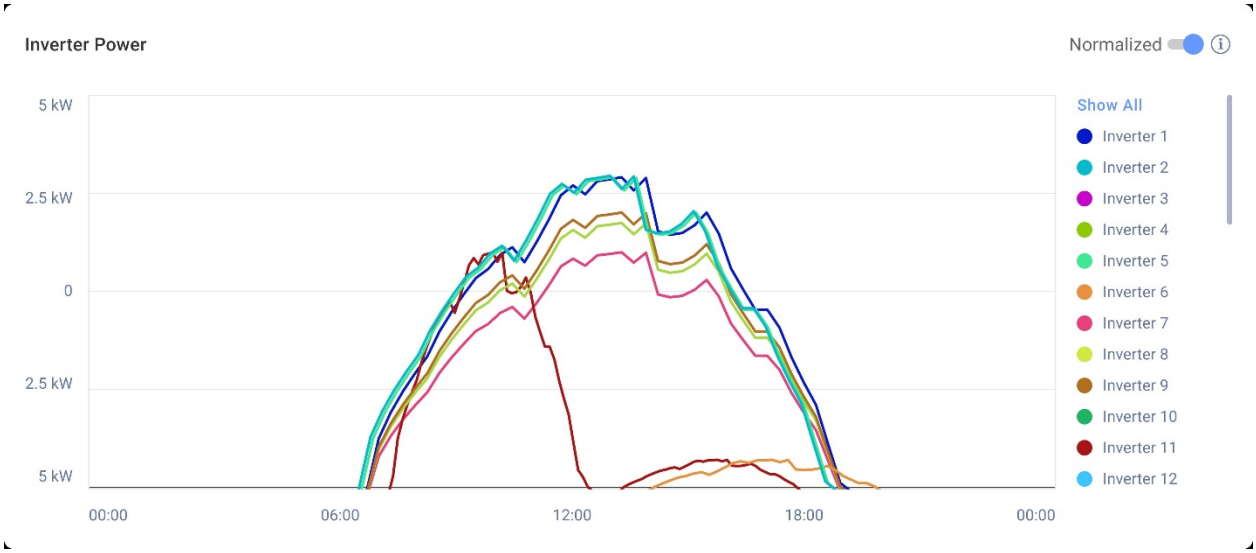
Your chart is exported.

Inverter Power and Energy Charts

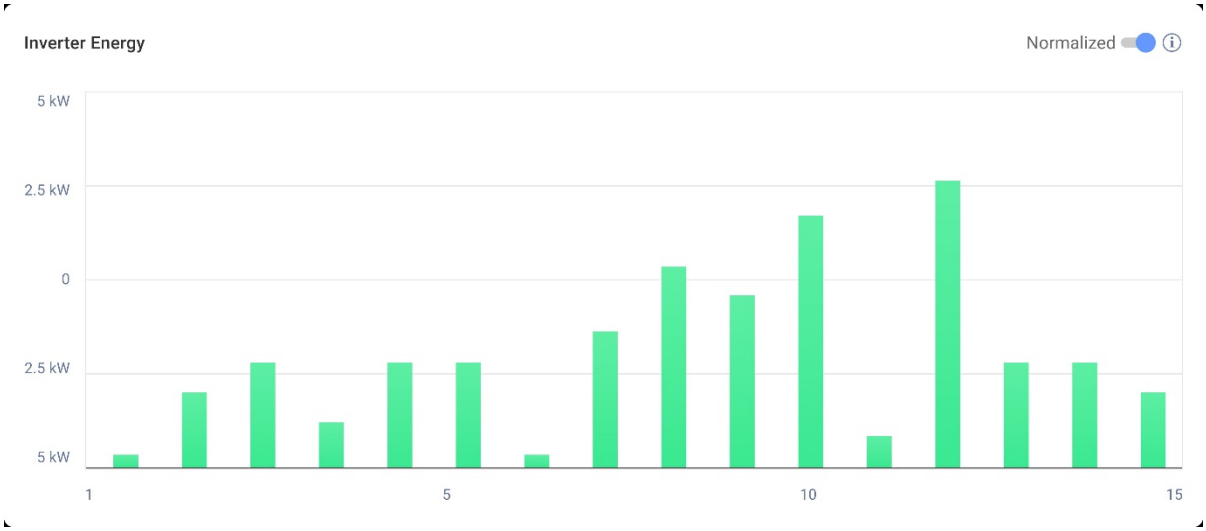
The following are chart examples.

Inverter chart

Inverter Power



Inverter Energy



These charts display each inverter on-site, enabling you to compare inverters to identify outliers or trends. For sites with multiple inverters, the power or energy for each inverter is displayed.

You also have the option to normalize the values, which adjusts the inverter's power or energy by dividing power or energy by its individual peak power (kW/kWp). Normalization is useful when inverters have different peak DC power values and consistently generate more or less power than others.

NOTE

Sites with certain legacy products, such as the SolarEdge Safety and Monitoring Interface (SMI), may not display power and energy data at the inverter level.

To deselect or reselect inverters on the chart legend:

Click the options under **Show all**.

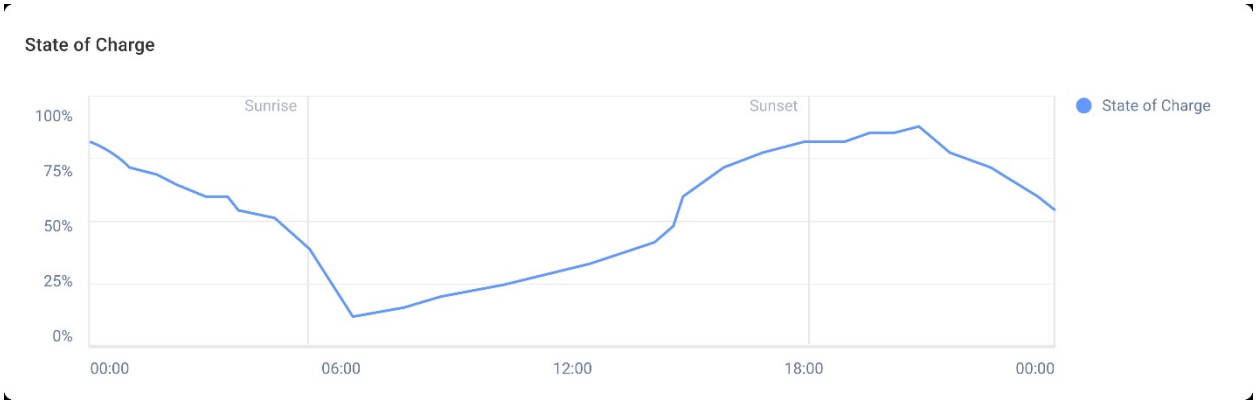
To enable peak power normalization:

1. Click **Admin**>**Performance**>**InverterkWh/kWp**.

   Inverter kWh/kWp is displayed.
2. Select the **Enable peak power normalization** checkbox.
3. In the **Inverter Peak DC Power** field, enter the peak DC power for each inverter.
4. Click **Save**.

   Peak power normalization is now available on the Inverter Power/Energy chart on your site's dashboard.

State of Charge chart



The State of Charge chart displays the percentage of charge for the battery for the selected time-period.

NOTE

The time interval for day samples is set to 15 minutes.

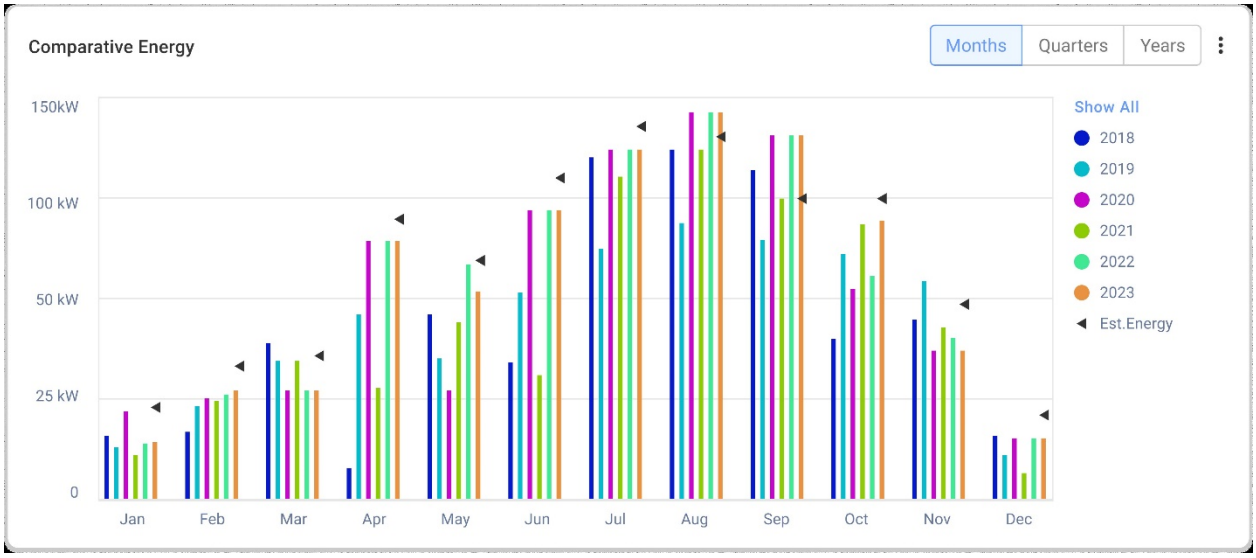
The time interval for week samples is set to 1 hour.

The State of Charge chart is hidden for periods longer than one week.

To view additional information:

Move your cursor along the chart.

Comparative Energy chart



On this chart you compare different time-periods to see how production varies between months, quarters, or years.

You also have the option to do the following on the chart:

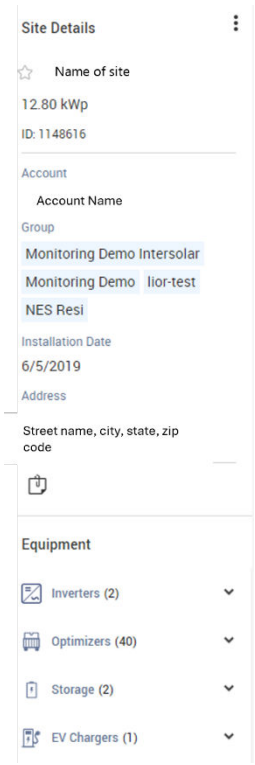
To change the time-period:

Select **Months**, **Quarters** or **Years**.

To view additional information:

Move your cursor along the chart.

Site Details and Equipment on-site



Site Details

This section displays the following:

- The name of the site
- The maximum output in kilowatts that your V system produces (kWp).
- The site’s ID number
- The account name
- The group
- The site’s installation date
- The site’s address

Equipment

This section displays components that are based on a site's configuration, so not all of the following components may be present at every site:

- Inverters
- Optimizers
- Meters

- Storage
- EV Chargers
- Smart Home Devices
- Gateways (CCG)
- Backup Interface

To view the component's model or serial number, select the dropdown list next to the component.

To view further information about an inverter:

1. Click the inverter.

   The model of inverter is displayed.
2. Click the inverter model.

   The inverter ID is displayed.
3. Hover your cursor over the inverter ID to view further information on the inverter, such as:

- **Communication type**: Ethernet, WiFi, GSM, LTE, RS232, RS485 or ZigBee
- DSP1
- DSP2
- DSP3
- CPU Version
- Backup status

NOTE

Depending on the device type, a disconnected device, or a device that has been removed may take several days to disappear from the equipment list.