Solar Depot Solar.Web User Guide

Production Graphs

Production Graph, Energy Usage and Battery State of Charge

There is quite a bit of information you can see in your monitoring portal, and in Solar.Web, distinguishing between energy produced and sold to the grid compared to energy produced and used or energy purchased from the grid is fairly simple once you are familiar with how the graph looks.

To the right you can see a "Production" graph. You can navigate to this page in the monitoring by selecting "Energy Balance" from the Overview page.

In the graph, all of the shaded section is the "Bell Curve" of your Solar System, and represents the energy produced by the panels. The different colours let you know where that energy went.

In the graph to the right, the yellow shading indicates energy produced and used in the house instead of purchasing energy from the grid, while the grey shading indicates energy produced and sold directly to the grid.

This energy will appear on your EnergyBill as "Solar Feed-in" credits.

The green shading indicates energy produced and sent to your batteries to charge them up again, while the green line indicates the batteries State of Charge (SoC).
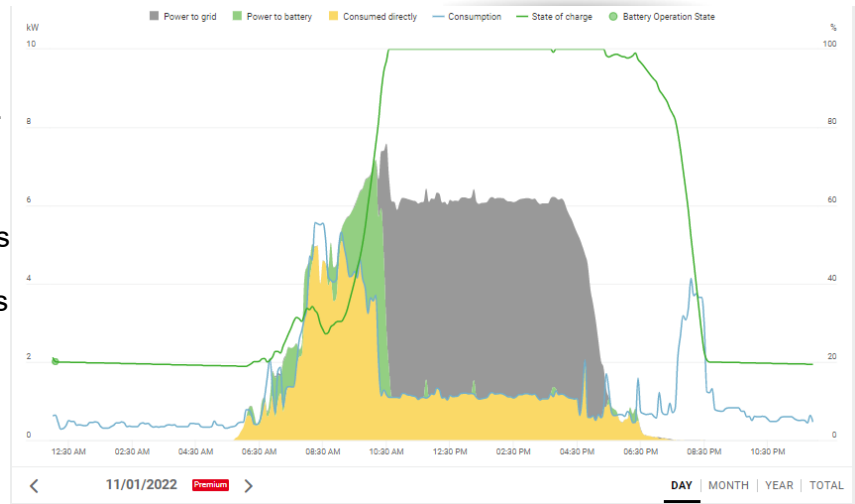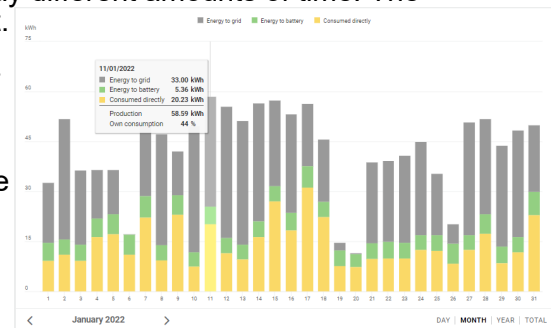

The last element to look at on the graph is the blue line. This line indicates energy usage, so as lights, kettles, air conditioners and TV's are turned on, this line moves up on the graph, and it will move down again when those devices are turned off. You can see where the energy came from to supply this load in the house by looking below the line. If the area is clear of any shading, that energy was purchased from the grid, though if it has any yellow shading below the line, that portion was provided by the Solar System.

You are able to change the colours on this graph by selecting the "Production" variant of the graph at the top of the page, and you will be able to follow the legend at the top of the graph to see what these colours mean.

You can cycle through Day, Month, Year and Total to get the graph to display different amounts of time. The Month, Year and Total graphs are bar graphs, similar to the one on the right.

Hovering over any part of these graphs will provide a detailed breakdown of the system's production at that time.

If you are interested in seeing a different date, you will be able to choose the date you are after in the bottom left (please keep in mind the last 3 days of production are available for free, though going further back will require a Solar.Web Premium Membership.

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FRONIUS SOLAR.WEB
Better understand your own solar power plant.

Updating the Network Settings on your Fronius Gen24 Inverter

If ever the WiFi network name or password changes, the Fronius inverter will need the new details to be able to log onto the internet. You can set the new name and/or password by following the either of the below processes.

A) Using the WPS function:

1. Touch the optical sensor on the inverter twice until the right LED starts flashing GREEN. This would indicate the WPS function is activated.

2. Press the WPS button in the internet modem/router. This would automatically link the inverter to the WIFI network.

This is the **Wi-Fi Protected Setup**™ button.

B) Using the inverter web interface:

1. Touch the sensor once until the right LED starts flashing BLUE.

2. Go to your Smart Device WIFI settings, and connect to the Fronius network. The password is 12345678

3. Open any internet browser (e.g. Safari or Google Chrome), and type this IP address in the search bar: 192.168.250.181

4. You will be directed to the inverter web interface. In the menu, select Communications, and log in using the Customer password.

5. Select Network. Then, select the internet connection mode from either ETHERNET, WIFI, or ACCESS POINT.

6. If connected via WIFI, select WIFI and out of the list of available networks select your network and input the WIFI password.

7. Click on Connect/Save.

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