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How to Use Fronius Solar Web (includes monitoring with a Smart Meter) 2024

Section 1: Logging into SolarWeb- SolarWeb is an online dashboard to view data from your Fronius inverter and smart meter

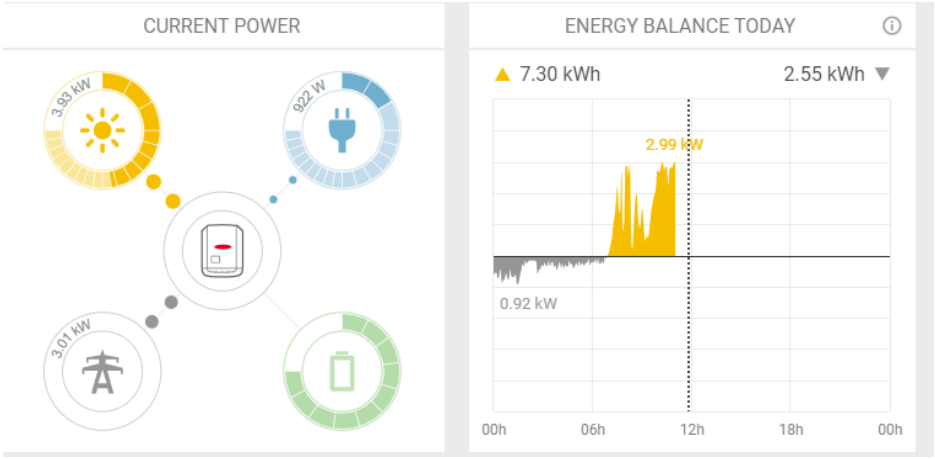
- Check if the system is showing as "Offline" and if it is, please contact SunPeople for a guide.

Section 2: Live Data Display

- Real-time power production and usage displayed on dashboard

-**Current Power** graph shows power production and where the power is going (grid or usage)

- At 11:50am this 8kW system is producing 3.93kW. The graph shows the divide of where the power is going. Because it has a smart meter installed, it is measuring that 3.01kW of that power is going back to the grid and 922W is being consumed by the house. The battery symbol will ONLY be relevant if there is a battery installed, in this case there is no battery installed.



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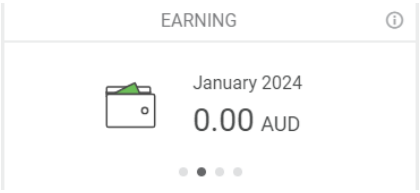
Section 3: Understanding Savings

- Electricity bill only shows feed-in credits for power sent to grid
- It does not include power used from solar before reaching meter
- Smart meter needed to track total solar production and savings

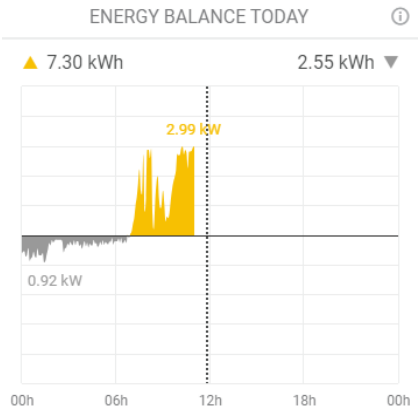
Section 4: Earnings Dashboard



- "Earnings" section shows total solar savings - this will only be accurate if you have set it up. This is the home owners responsibility.
- Only accurate if tariff settings properly configured in "Settings". Go to Settlings and select tariff.

- Reference tariff is how much you pay for power, you'll need to put this in.
- Earnings chart updates every 5 minutes to show your savings in real-time
- May take up to a day to reflect accurate savings
- See total savings since installation and daily savings amount
- Savings come from power used offset by power exported to grid

Energy Balance Graph

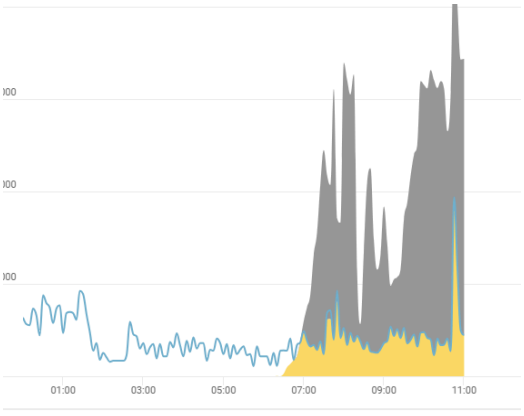


- Visual representation of power produced over time
- See production levels throughout the current day
- Cloud cover impacts solar output as seen on the graph

Grey is power to the grid / what the system has produced in the day

- Yellow area is consumption, white is unused power exported at night

- White (blue line) is power they are using at night



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Accessing Production Data:
- Click "Back" button to view previous days data
- Can see daily production over time in kilowatt hours

Factors Affecting Production

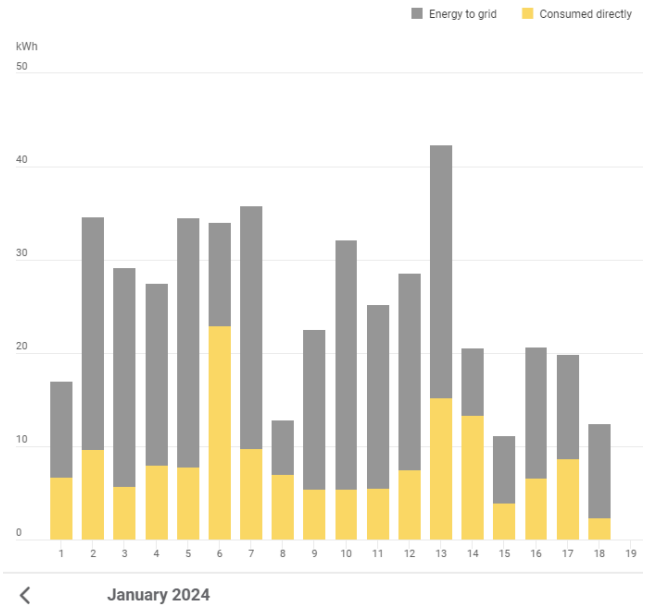
- Production decreases in winter due to less sunlight
- Temperature and efficiency losses mean you'll never see full rated power output

Checking Long Term Production
- Froinus premium subscription provides more in-depth long term data analytics - you can access here

Month / Year tabs are in the bottom right corner.

Viewing Monthly Production
- Click "Month" to view daily output for each day that month
- Output fluctuates with weather

-Yellow is consumed directly, gray is the energy being sent to the grid.



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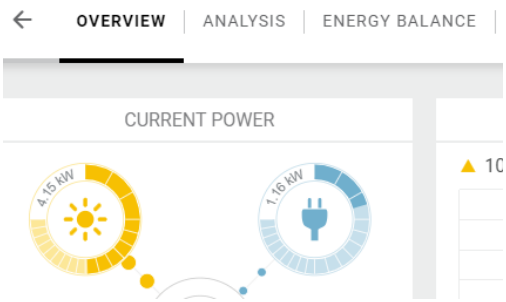
Viewing Yearly Production
- Click "Year" to view monthly averages for year
- Can assess if system meeting yearly output estimate

Looking at System History
- Click the "Analysis" tab to view system history
- Click the "History" button to view past data
- Choose the "Inverter" to view inverter specific data



Analyzing System Data - technical and not required to do but if you would like to see in depth detail.
- View power output of inverter and solar panels
- View voltage levels from each phase
- View total power output

Checking Grid Voltage
- View voltage levels from phases
- Voltage around 240V indicates no high voltage grid issues
- Clear sunny days provide best system performance data

Comparing Panel Performance
- View power output of each solar panel tracker
- Identify underperforming panels dragging down string output