

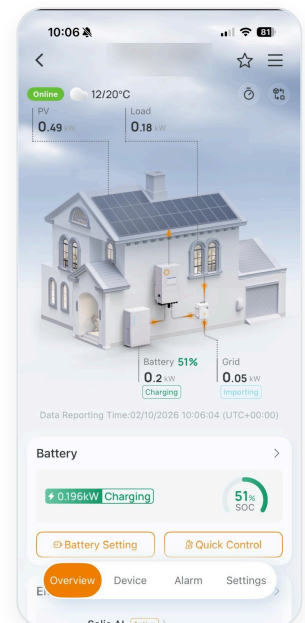
How to Use and Set Up Your Solis System

This guide shows you how to check your system in the SolisCloud app and how to set it up to match your electricity tariff. You can let Solis AI run your battery for you, or set your own time blocks with Manual Schedule. Setup takes about 10 to 15 minutes.

1 Open your system and read the live view

Open the SolisCloud app and tap your plant to open its home page. The picture at the top is a live view of your system:

- **PV:** how much solar power your panels are making right now.
- **Load:** how much power your home is using.
- **Battery:** its charge level (SOC, %) and whether it is charging or discharging, in kW.
- **Grid:** whether you are importing from or exporting to the grid, in kW.

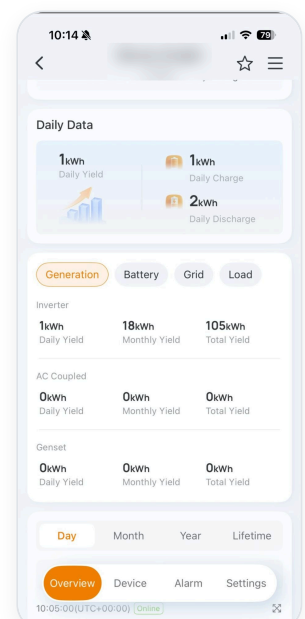


The live view.

2 Check your daily, monthly and lifetime stats

Scroll down a little to **Daily Data**. It shows today's solar yield and how much the battery has charged and discharged.

Below that, tap **Generation, Battery, Grid** or **Load** to see the daily, monthly and total figures for each one.

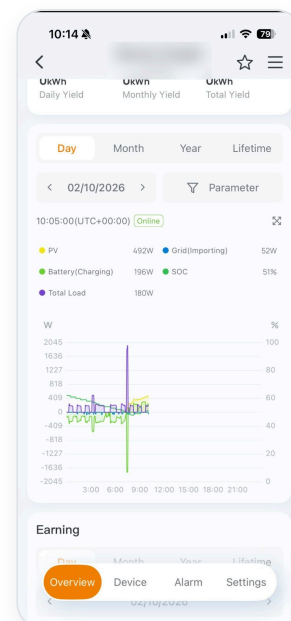


Daily Data and the stats tabs.

3 Use the daily chart

Scroll further down to the chart. It shows your solar generation, battery charge and discharge, grid import and export, and home load at every point through the day. Scroll along the chart to see the figures at any time of day.

For example, if you put the kettle on at 7am, move to 7am on the chart and you will see the load jump to around 3 kW.



The daily chart.

4 Open EMS Management Mode

Scroll back up to about a third of the way down the home page and tap the **EMS Management Mode** box. This is where you choose how your battery and inverter run. Only one strategy can be active at a time.

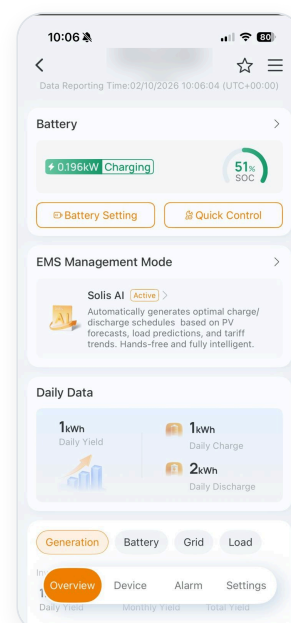
Option A: Solis AI

The system plans charging and discharging for you, based on solar forecasts, your usage and your tariff. Best for most homes.

Option B: Manual Schedule

You set your own time blocks for charging, self-use and export.

Tick the strategy you want, set it up as below, then tap **Save**.



The EMS Management Mode box.

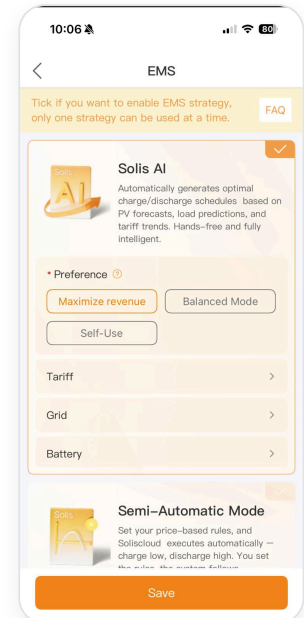
A Option A: Solis AI

Let the system plan your battery automatically. Set it up in four parts: preference, tariff, export and battery.

A1 Choose your preference

Tick **Solis AI**, then pick how you want it to work:

Preference	What it does	Best for
Maximize revenue	Charges when import is cheap and sells to the grid when export pays most, to earn as much as possible.	A good export tariff
Balanced Mode	Splits the difference between cutting your bills and earning from export.	Not sure which to pick
Self-Use	Keeps battery power for your home to cut what you buy from the grid. Only spare solar is exported.	A low or flat export rate



Solis AI preferences.

A2 Set your tariff

Tap **Tariff**. Solis AI uses your prices to decide when to charge and export, so they need to be right.

- 1. Purchase Tariff (import):** set Tariff Method to **Custom Tariff**, then choose a Tariff Source:
 - **Fixed Tariff** if you pay one rate all day, for example 25p/kWh.
 - **Static TOU Tariff** if your price changes by time of day, such as Octopus Intelligent Go. Tap **Tariff Plan** and enter each time slot and its price.
- 2. Tap Next.**
- 3. Feed-in Tariff (export):** this works the same way. Choose **Fixed Tariff** for a single rate (for example 12p/kWh) or a time-of-use tariff if your export price changes through the day. If it matches your import prices, tap **Same as purchase tariff**.
- 4. Check the summary, then tap Save.**

A2 Set your tariff (continued)

Purchase Tariff set to Static TOU.

Enter each time slot and price.

Feed-in Tariff at a fixed 12p/kWh.

Check the summary and save.

A3 Turn on export

Tap **Grid**. Make sure **Export** is turned on and set **Max Feed-in Power** to the size of your inverter. For example, an 8 kW inverter is set to 8 kW. Tap **Save**.

A4 Check your battery size

Tap **Battery** and check **Capacity** matches your battery: 10.24 kWh or 15.36 kWh, or a multiple of these if you have more than one. Tap **Save**.

Export on, set to inverter size.

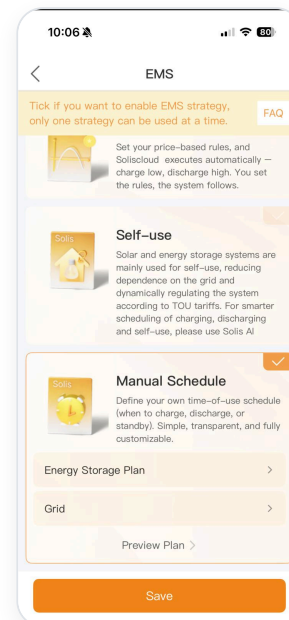
Battery capacity.

B Option B: Manual Schedule

Create your own time blocks and tell the system what to do in each one.

1. Tick **Manual Schedule**, then tap **Energy Storage Plan**.
2. Add a time block. Set the **Start Time** and **End Time**, tick the days it should **Repeat** on, and choose an **Action** (see below). Tap **OK**.
3. Repeat until your blocks cover the whole day, from 00:00 to 24:00, with no gaps.
4. Tap **Grid** and check **Export** is on, as in step A3.
5. Tap **Preview Plan** to check it, then tap **Save**.

Rules for time blocks: the start time must be earlier than the end time, and a block cannot run past midnight. If your cheap rate crosses midnight (for example 23:30 to 05:30), split it into two blocks: 23:30 to 24:00 and 00:00 to 05:30.



Manual Schedule.

Which action to choose

Action	Use it for	Settings
Charge	Charging the battery from the grid in your cheap period	Set Target SOC for Charging (for example 100%) and turn on Allow grid to charge battery
Self-use	Normal running: the battery powers your home	None needed
Discharge	Dedicated export to the grid	Set Target SOC for Discharging to about 35% , so enough is left for the rest of the day

The image shows three mobile app screens for configuring manual controls. Each screen has a title 'Add Manual Control' and a warning: 'Start time must be earlier than end time. Cross-day time ranges are not supported.'

- Charge block (00:00 to 05:00):** The 'Start Time' is 00:00 and 'End Time' is 05:00. The 'Repeat' section shows 'Sun' selected. The 'Action' is 'Charge' with a dropdown arrow. Settings include 'Max Charge Power' at 8 kW, 'Target SOC for Charging' at 100 %, and 'Allow grid to charge battery' which is toggled on.
- Self-use block:** The 'Start Time' is 05:00 and 'End Time' is 24:00. The 'Repeat' section shows 'Sun' selected. The 'Action' is 'Self-use' with a dropdown arrow. There is a 'Peak SOC' toggle which is currently off.
- Discharge block (16:00 to 19:00):** The 'Start Time' is 16:00 and 'End Time' is 19:00. The 'Repeat' section shows 'Sun' selected. The 'Action' is 'Discharge' with a dropdown arrow. Settings include 'Max Discharge Power' at 8 kW and 'Target SOC for Discharging' at 35 %.

A Charge block, 00:00 to 05:00.

A Self-use block.

A Discharge block, stopping at 35%.

Example day

For a tariff that is cheap from 00:00 to 05:00, with an export window from 4pm to 7pm:

Start	End	Action
00:00	05:00	Charge
05:00	16:00	Self-use
16:00	19:00	Discharge stop at 35%
19:00	24:00	Self-use

5 Save and check

On the EMS page, make sure your chosen strategy is ticked and tap **Save**. Back on the home page, the EMS Management Mode box should show it as **Active**. Allow a few minutes for the system to pick up the change, as long as the wifi signal is good enough.

Need help? If the system does not follow your settings, contact Zephyr Tech on **01323 576762** or **sales@zephyrtech.uk** and we will investigate on your behalf.