FoxEss – Understanding Mode Scheduler

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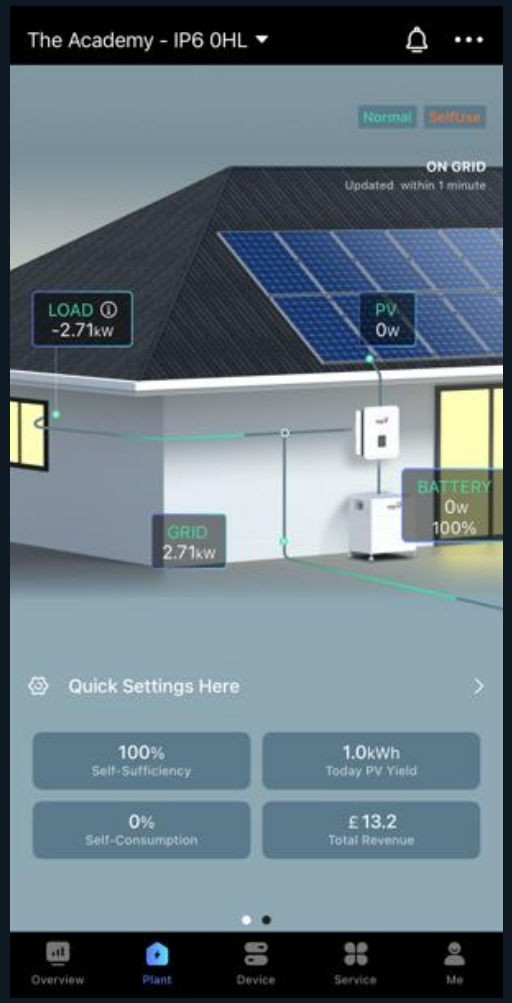
Step 1: Open the FoxCloud App



Once you have opened the FOXCloud App, toggle to main Overview page as pictured to the left.

Next, you will click on “Quick Settings”.

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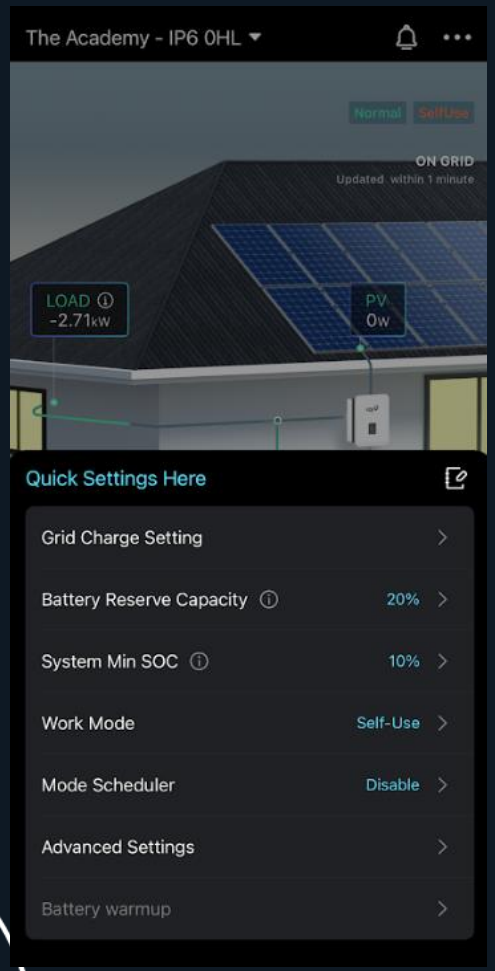
Step 2: Accessing Quick Settings:



The Quick Settings Menu will appear as pictured to the left.
We will be working within “Mode Scheduler”.
If Mode Scheduler is not available to you or is greyed out, we can conduct a firmware update which will allow this function to be available to you.

Mode Scheduler is versatile and allows the functionality of setting up multiple time periods where the system can function outside of the standard “Self-Use Mode”.
If you have a variable tariff from your supplier, this is where you would look to set up Force Charge & Force Discharge Windows.

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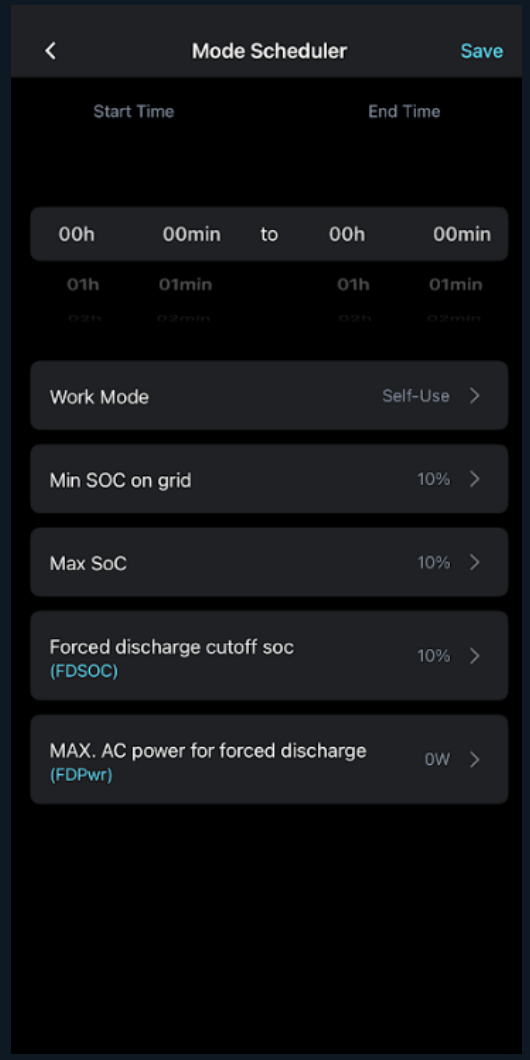
Step 3: Planning your schedule



If you have not scheduled anything in the Mode Scheduler previously, the first step would be to select the +.

The options within Mode Scheduler will appear as pictured to the left.

You will set your desired times.

The Work Mode will depend on what you are looking to achieve. The options are:

Self-Use, which is how the system will ordinarily work.

Force Charge, this will allow the system to pull power from the grid to charge the batteries

Force Discharge, this will allow the system to force discharge power stored within the batteries back to the grid.

Feed-In Priority, prioritizes exporting excess solar power to the grid, with local loads and battery charging taking secondary priority

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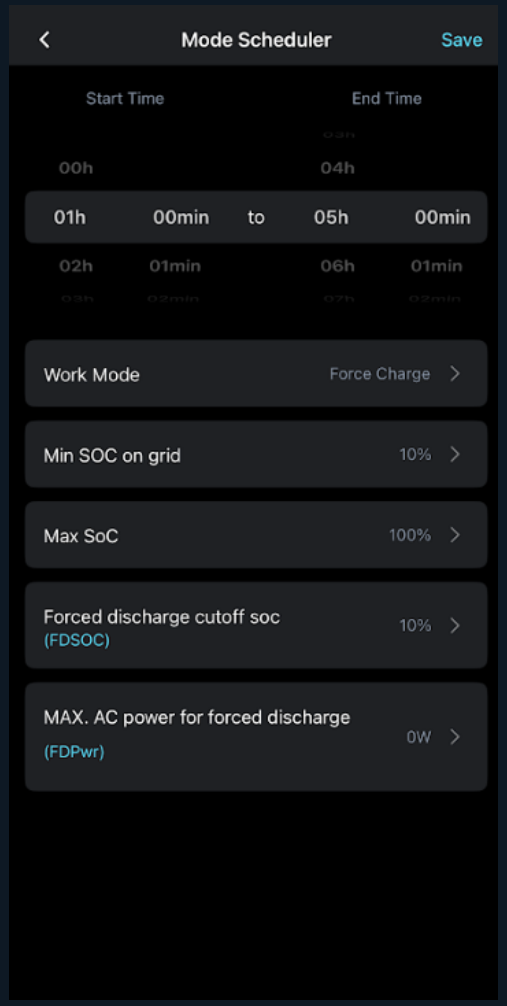
Step 4: Setting your schedule Force Charge



1. Set your desired times. For example: Between 01:00 – 05:00. Please note that the times cannot overlap
2. Set your Work Mode. This would be Force Charge
3. The Min SOC on grid should remain at 10%
4. Max SOC would be the State of Charge you would like the battery to stop at during this period – we would suggest this be 100%.

The Force discharge cutoff soc and MAX. AC power for forced discharge are not relevant when using Force Charge

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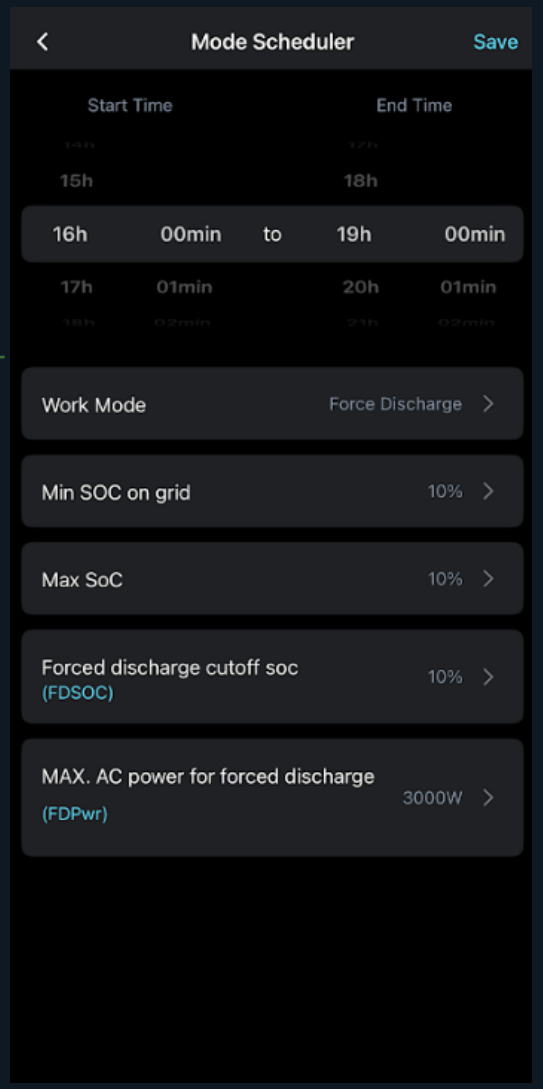
Force Discharge



1. Set your desired times. For example: Between 16:00 – 19:00. This is a common time period when providers offer greater return to export to the grid. Please note that the times cannot overlap
2. Set your Work Mode. This would be Force Discharge
3. The Min SOC on grid should remain at 10%
4. Max SOC would be the State of Charge you would like the battery to stop at during this period – we would suggest this be 10%.
5. The Force discharge cutoff soc should be 10%. This means that the battery will force discharge down until 10% and then stop
6. MAX. AC power for forced discharge is the power at which the battery charges. I have set this to 3000w or 3kW in this instance, please note that this cannot exceed the rated power for your inverter. This system has a 6kW inverter.

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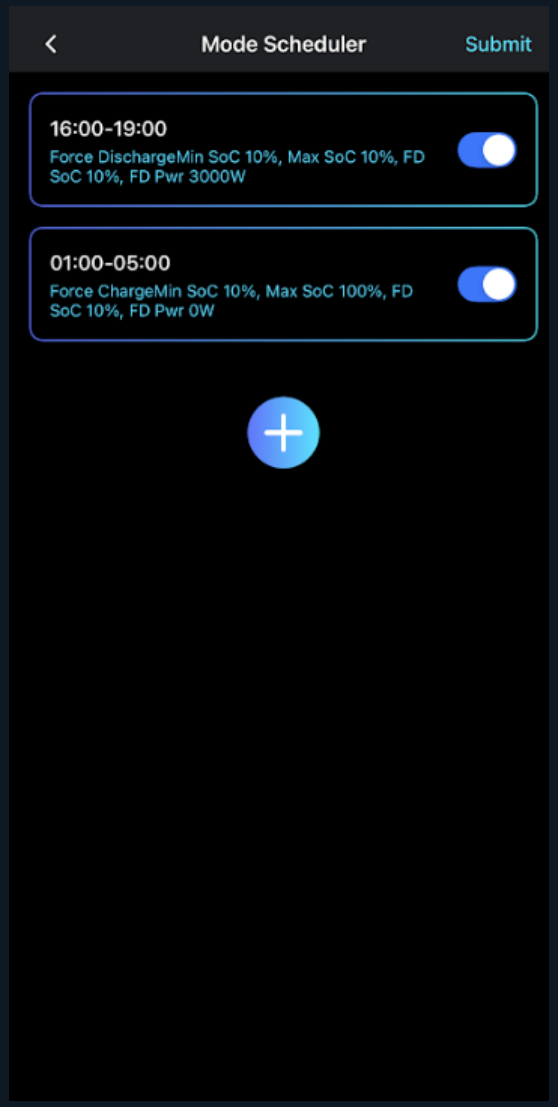
Step 5: Submitting schedule



Now that you have created your schedules, you will need to ensure that they are active and submitted.

In this instance, we have both a Force Charge & Force Discharge Window. Both are active and therefore both have the blue toggle switches on.
If you would like to temporarily disable one of your schedules, you will simply need to un-toggle that time period.

Once you have made changes, its important to remember to Save and Submit all changes.

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