

IntelliCharge.AI Guide: Customise your plant



THIS GUIDE COVERS:

- Customisation options in IntelliCharge.AI
- How to adjust plant settings
- Recommended settings for various plant goals

CUSTOMISATION OPTIONS

You can customise the following:

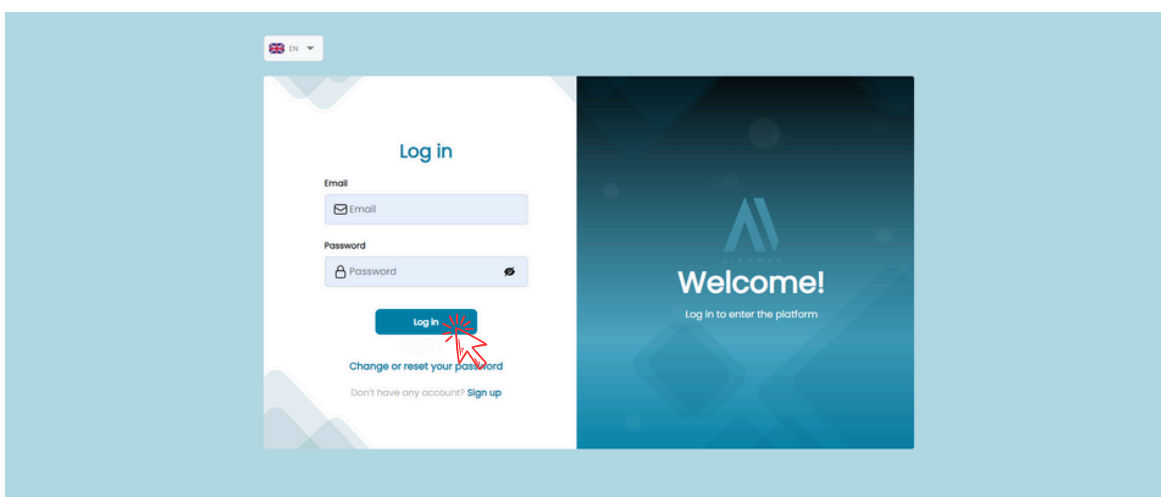
- Currency and costs associated with buying and selling energy
- Option to actively sell energy from battery
- Option to avoid exporting energy during negative prices
- Maximum and minimum battery SOC (capacity used)
- Minimum battery SOC after sell
- Maximum charging and discharging speed

EDIT YOUR PLANT

STEP 1: LOG IN TO YOUR INTELLICHARGE.AI ACCOUNT

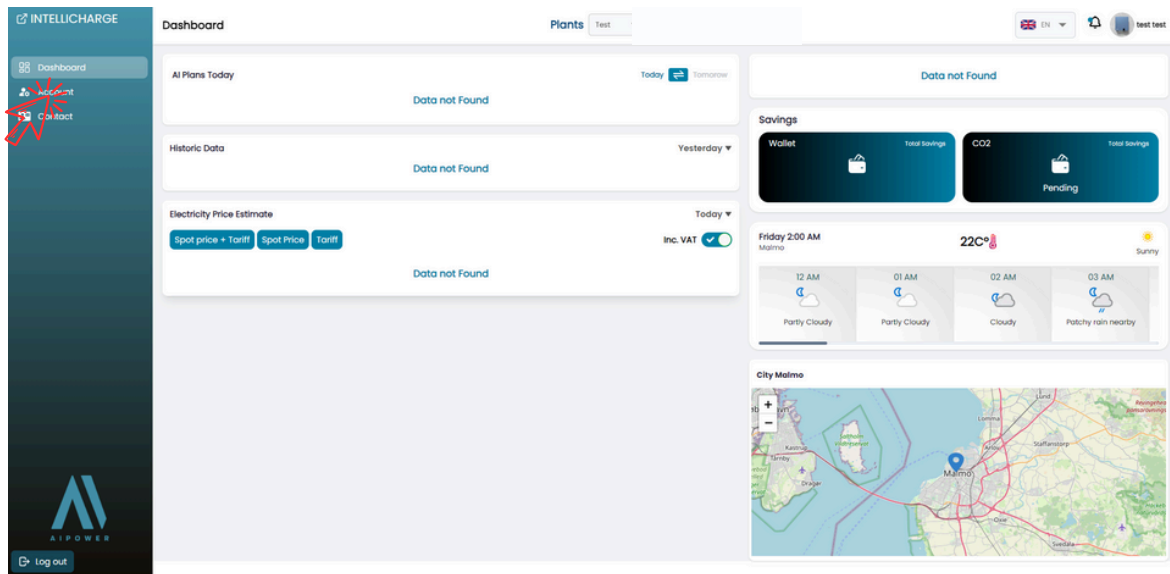
Go to www.intellicharge.ai

Fill in your login details and click on 'Log in.'

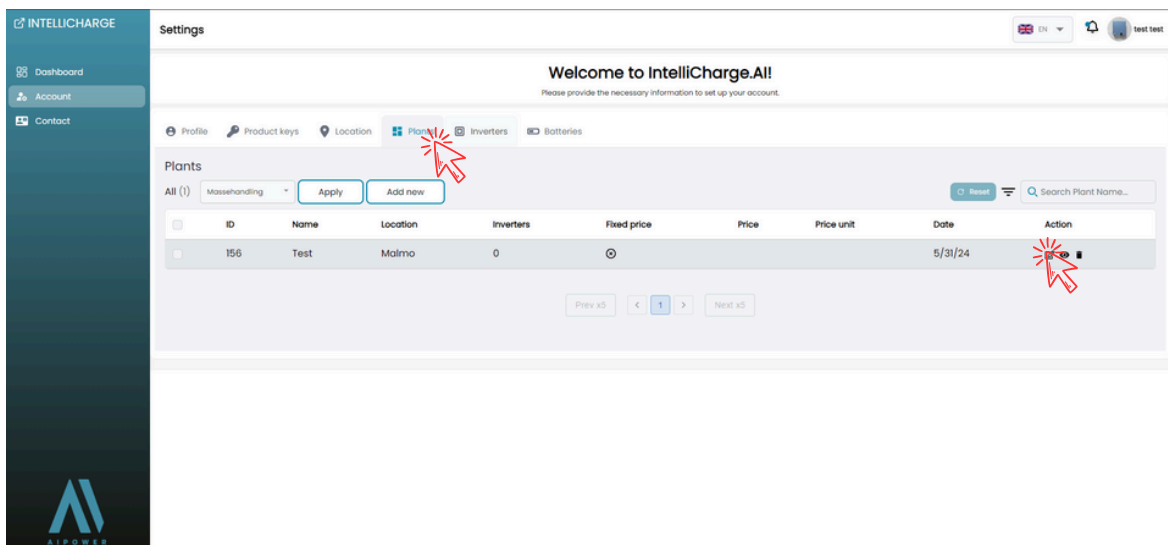


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EDIT YOUR PLANT STEP 2: GO TO 'ACCOUNT' SECTION

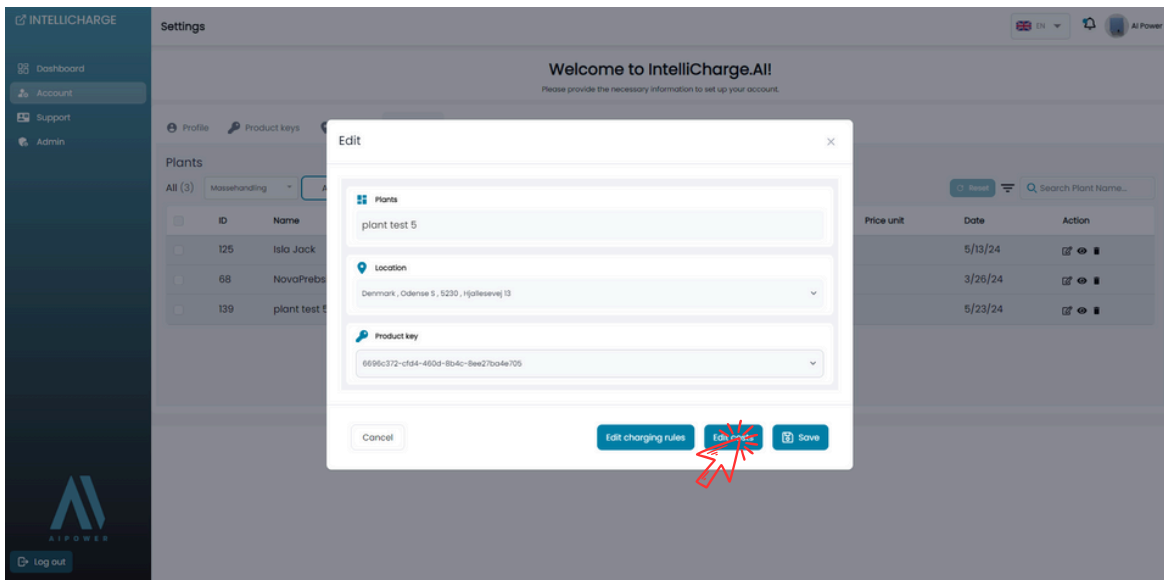


EDIT YOUR PLANT STEP 3: GO TO SUBSECTION 'PLANTS' AND CLICK ON 'EDIT' UNDER ACTION



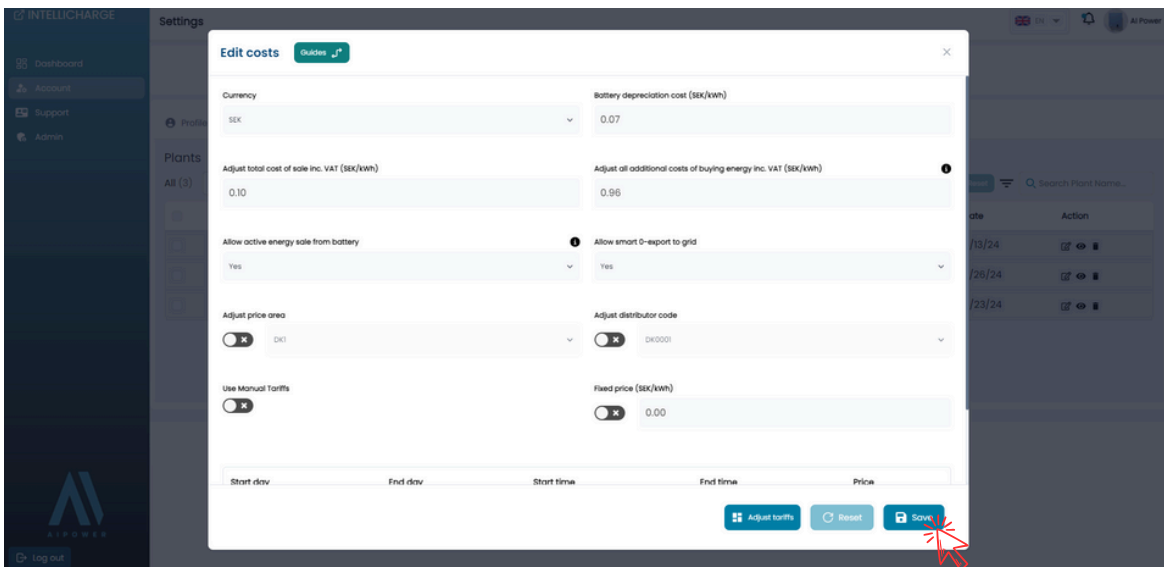
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EDIT YOUR PLANT STEP 4: EDIT COSTS



Here you can edit the following:

- Currency and costs associated with buying and selling energy
- Option to actively sell energy from the battery
- Option to avoid exporting energy at negative prices



Press the selected field to edit and confirm your changes by clicking 'Save.'

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ABOUT THE COSTS: EDIT YOUR BATTERY DEPRECIATION COST

You do not need to edit this as all systems are preset with a default value.

How to calculate depreciation cost on your battery?

Example case:

Battery cost: 2000 kr/kWh

Cycles in warranty period: 6000

Expected SoC after warranty: 80%

Depreciation is 20% (100% - expected SoC after warranty).

20% of 2000 = 400 kr

Divided by 6000 cycles = **0.07 kr/kWh**

ABOUT THE COSTS: ADJUST TOTAL COST OF SALE INC. VAT

When selling your electricity, you will be paid the current spot price per kWh. However, this spot price can be reduced by tariffs and fees.

Each registered system is preset with a default value of **0.10 kr/kWh**, which is very conservative for those living in Denmark, but you are welcome to adjust this according to your reality.

In Sweden, you earn additional 0.6 kr/kWh when exporting energy back to the grid. If this is your case, adjust the total cost of sale with **-0.6 kr/kWh**.

ABOUT THE COSTS: ADJUST ALL ADDITIONAL COSTS OF BUYING ENERGY INC. VAT

When importing energy from the electricity grid, you typically pay the spot price, tariff, and other costs including taxes.

All systems have a default value set at **0.96 kr/kWh**, which corresponds to the taxes in Denmark.

Edit your purchasing costs and include **all expenses except for the spot price and tariff** in this field.

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ABOUT COSTS: ALLOW ACTIVE ENERGY SALE FROM BATTERY

Our system can maximise earnings by purchasing electricity cheaply and selling surplus energy to the grid during periods of high prices, and by exporting power from your battery to make room for "free" solar energy the next day.

Do you wish to take advantage of this feature?

If yes, allow active energy selling.

Recommended setting:

Emergency power system: No

Conservative: Yes

Earnings maximisation: Yes

ABOUT COSTS: ALLOW SMART 0-EXPORT TO GRID

The system can limit sending energy to the grid during periods of negative prices to prevent you from losing money on your installation.

Do you wish to take advantage of this feature?

If yes, allow smart 0-export.

Please note that some systems may experience a small import of around 300W when 0-export is active. There is a solution for T2 and T3 inverters. If you observe this issue, please send us a message, and we will adjust the settings for you.

Recommended setting:

Emergency power system: No

Conservative: Yes

Earnings maximisation: Yes

ABOUT COSTS: FIXED PRICE

If you have a specific agreement with your energy supplier that includes a fixed price for energy regardless of the time of day, you should adjust your spot price here.

We do not recommend changing settings for price areas and distributor codes as these settings are automatically adjusted based on your location. Incorrect changes to these settings could result in interruptions to our service.

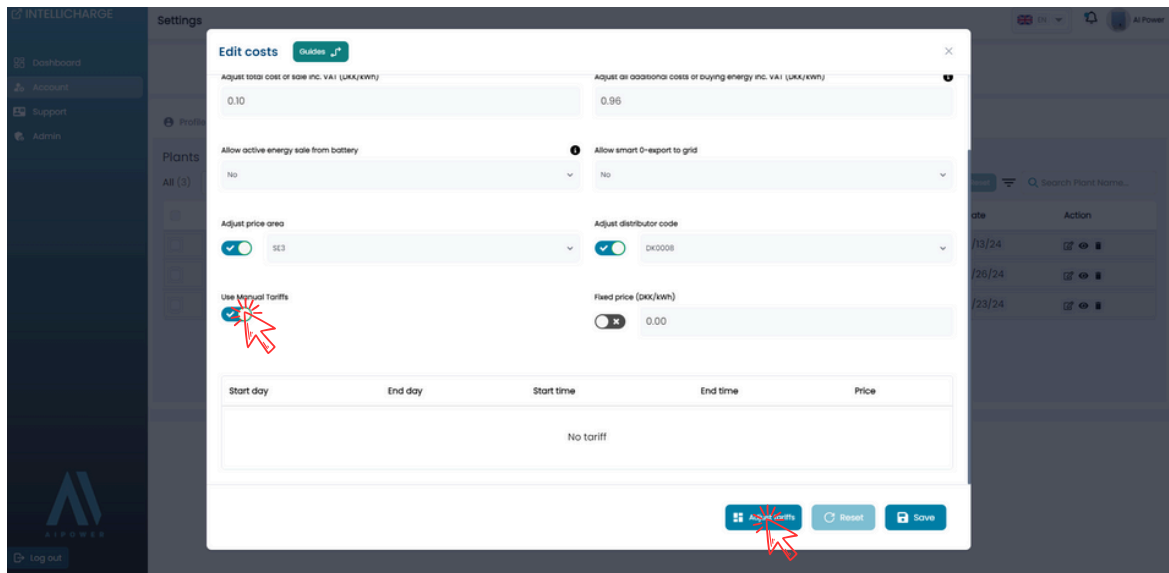
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ABOUT COSTS: USE MANUAL TARIFFS

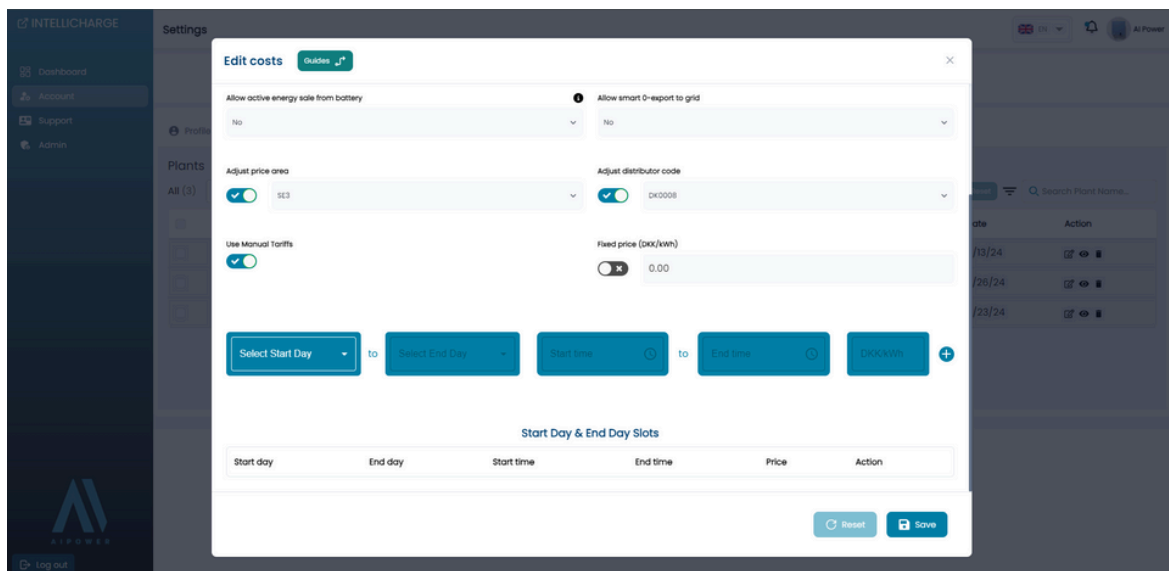
If you don't see any price graph on your dashboard, it may mean we are missing tariff information. This happens either if you accidentally override price area and distributor code in a wrong way or if you reside outside of Denmark.

Right now, our system automatically assigns tariff to the customers with plant registered within Denmark. The tariff info is needed for our algorithm to be able to generate AI plans for your system.

You can insert tariff information yourself. Start by clicking on the toggle bellow 'Use Manual Tariffs' and press the 'Adjust tariffs' button to get started.



A table appears. Follow the next steps to see how to edit and save the tariffs manually.



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ABOUT COSTS: USE MANUAL TARIFFS

Step 1: Click on the 'Select start day' field and choose the first day of the week for the tariff price (e.g. Monday).

Step 2: Click on the 'Select end day' field and choose the last day of the week for the tariff price (e.g. Friday).
This example edits the tariff from Monday to Friday.

Step 3: Click on the 'Start time' field and choose the first hour for the tariff price (e.g. 00 for midnight).
A 24-hour format is used.

Step 4: Click on the 'End time' field and choose the last hour for the tariff price (e.g. 12 for noon).
This example edits the tariff during the first half of the day from Monday to Friday.

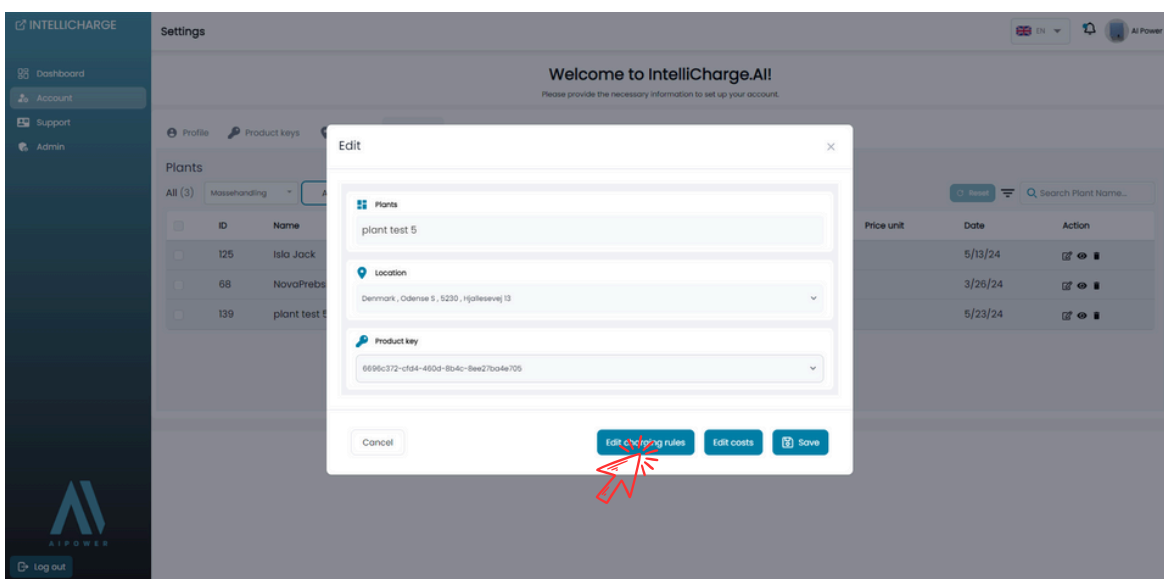
Step 5: Add the tariff for the selected period by typing it in the last field (e.g. 2.57).

Step 6: Click the '+' icon to add the newly configured time slot.
The information now appears in the table.

Step 7: Repeat the steps to configure tariffs for the other times (e.g. for the second half of the day from Monday to Friday and for the weekend).

Step 8: When you are ready with all the tariff settings, confirm and save these by pressing the 'Save' button.

CUSTOMISE YOUR PLANT STEP 5: EDIT CHARGING RULES

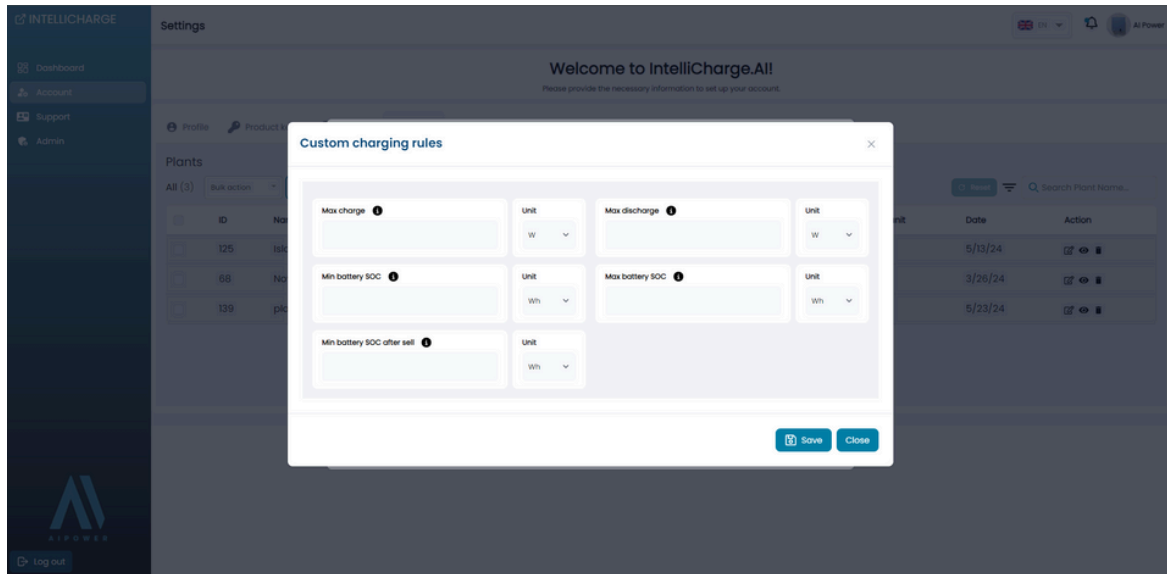


Here you can edit the following:

- Maximum and minimum battery SOC (capacity used)
- Minimum battery SOC after selling
- Maximum charging and discharging speed

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CUSTOMISE YOUR PLANT STEP 5: EDIT CHARGING RULES



You don't need to edit anything in this section; the system operates with its default settings.

Each field can be edited either in % or W/Wh. We recommend using % settings.

Every change you make will be treated by the system as an additional rule, and whenever possible, the system will behave according to these rules. If you add a rule that contradicts the main rule (for example, setting a maximum value to 110%), the system will ignore your rule.

EDIT CHARGING RULES MAX AND MIN BATTERY SOC

This setting adjusts how much of your battery capacity can be used.

Default settings are:

Minimum battery SOC: 10%

Maximum battery SOC: 100%

Do you always want to have more energy available in your battery? Then increase the minimum SOC setting.

Recommended minimum SOC setting:

Emergency power system: 40%

Conservative: 15%

Earnings maximisation: 10%

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EDIT CHARGING RULES: MIN BATTERY SOC AFTER SELL

This setting tells the system how much of the battery's SOC should remain available after active selling from the battery.

The default setting is 10%.

Recommended minimum SOC after selling:

Emergency power system: Not used

Conservative: 30%

Earnings maximization: 10%

We do not recommend editing the Max charge and discharge. The default setting is 100% for charging and 90% for discharging.

RECOMMENDED SETTINGS FOR DIFFERENT SYSTEM PURPOSES: EMERGENCY POWER SYSTEM

Is your primary goal always to have enough energy stored in your battery?

If so, we recommend these settings:

Allow active energy selling from battery: No

Allow smart 0-export to the grid: No

Minimum battery SOC: 40%

RECOMMENDED SETTINGS FOR DIFFERENT SYSTEM PURPOSES: CONSERVATIVE SYSTEM

Is your goal to strike a balance between a self-sufficient system and generating additional earnings by selling surplus energy at the best times?

Follow our recommendation:

Allow active energy selling from battery: Yes

Allow smart 0-export to the grid: Yes

Minimum battery SOC: 15%

Minimum battery SOC after selling: 30%

RECOMMENDED SETTINGS FOR DIFFERENT SYSTEM PURPOSES: EARNINGS MAXIMISATION SYSTEM

Are you interested in maximising the financial gains from your system?

We recommend the following:

Allow active energy selling from battery: Yes

Allow smart 0-export to the grid: Yes

Keep the remaining settings as they are, and our system will do its best to optimise your installation to maximise your earnings.