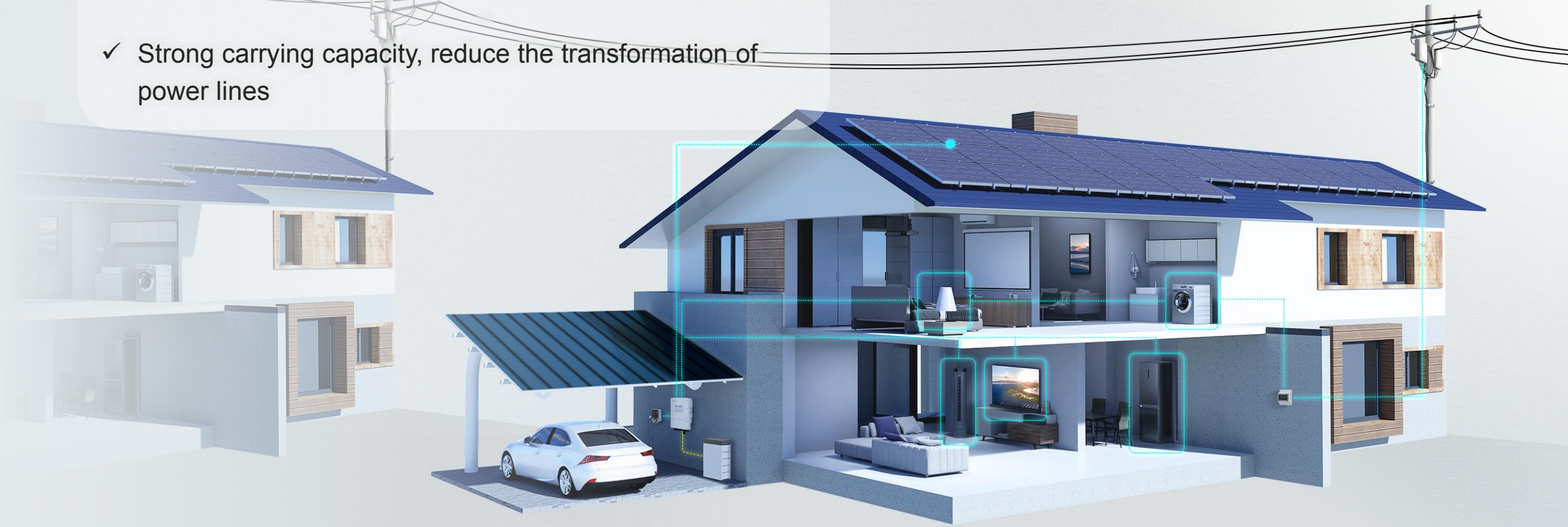

solis
Next Level Energy Storage

Overload capabilities

S6-EH3P(12-20)K-H	**10s 200%** overload capability in off-grid
S6-EH3P(29.9-50)K-H	**2s 160% overload** capability in off-grid

Unbalanced on both Grid and Backup Port

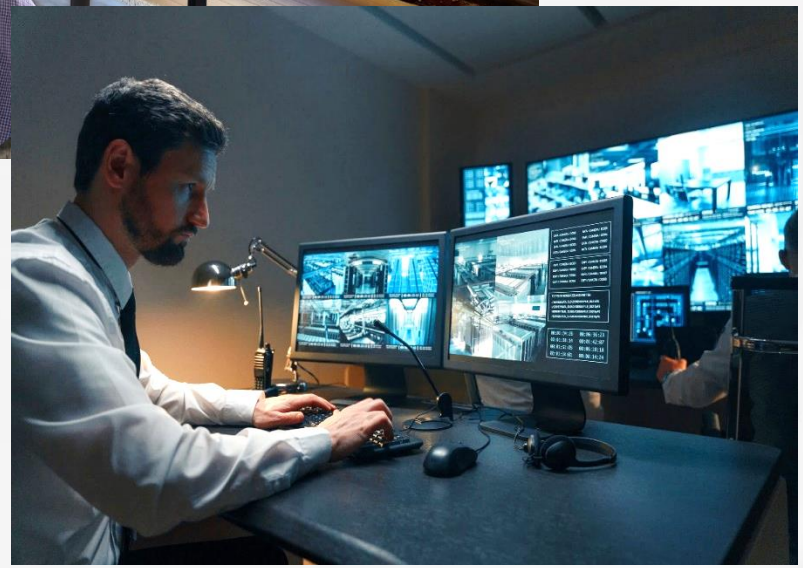
- ✓ Three-phase unbalanced load, single-phase load 50% rated power.
- ✓ Strong carrying capacity, reduce the transformation of power lines



S6-EH3P20K-H，single-phase load 8 kW

Switching between on-grid and off-grid mode

The seamless transition between on-grid and off-grid modes during grid outages ensures continuous power supply to critical customer loads, thereby minimizing potential losses.



S6-EH3P(10)K
S6-EH3P(12-20)K
S6-EH3P(29.9-50)K

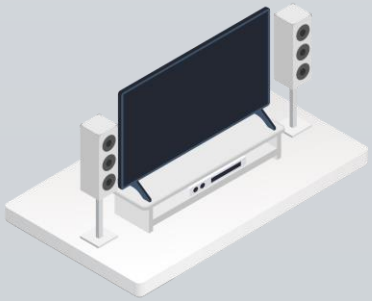
< 10ms

Smart Load Function

Intelligent load shaving during off-grid mode

Off-grid, or grid outage, customers can manage the load power supply and power off the load at different levels to ensure the power supply for critical loads.

Smart load
2nd priority

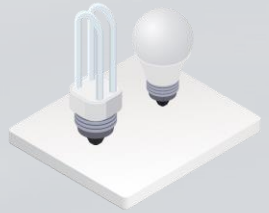


Television

Washing machine

Oven

Back-up load
1st priority



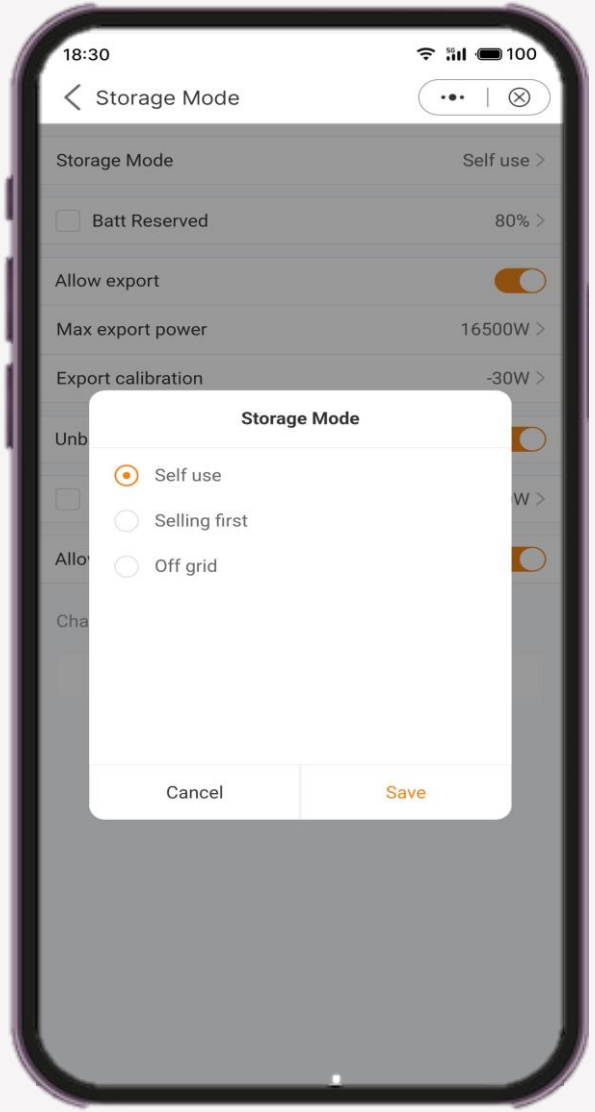
Lights

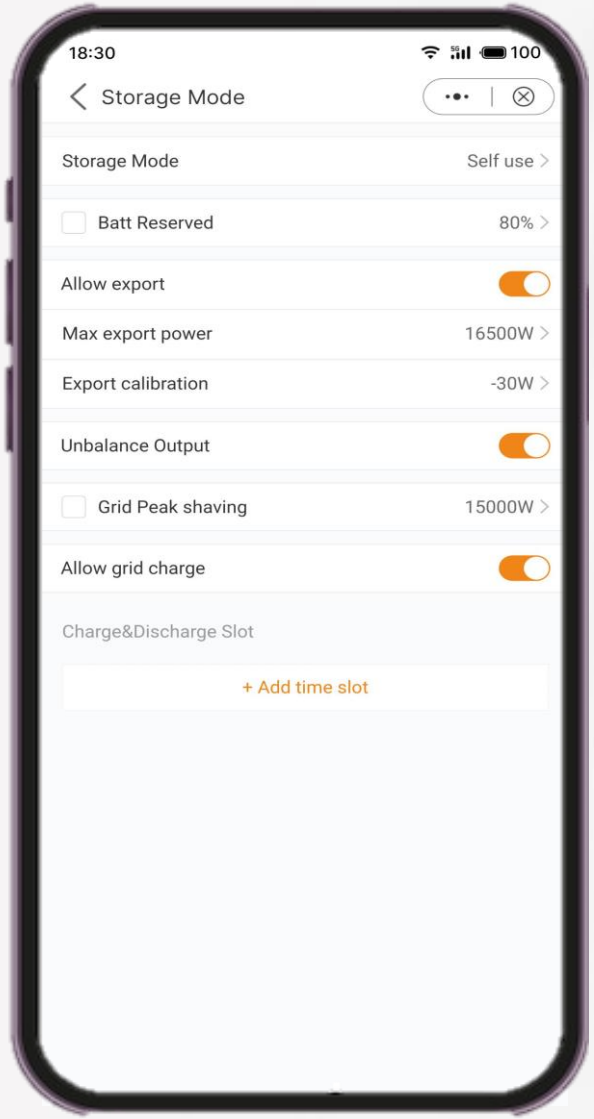
Refrigerator

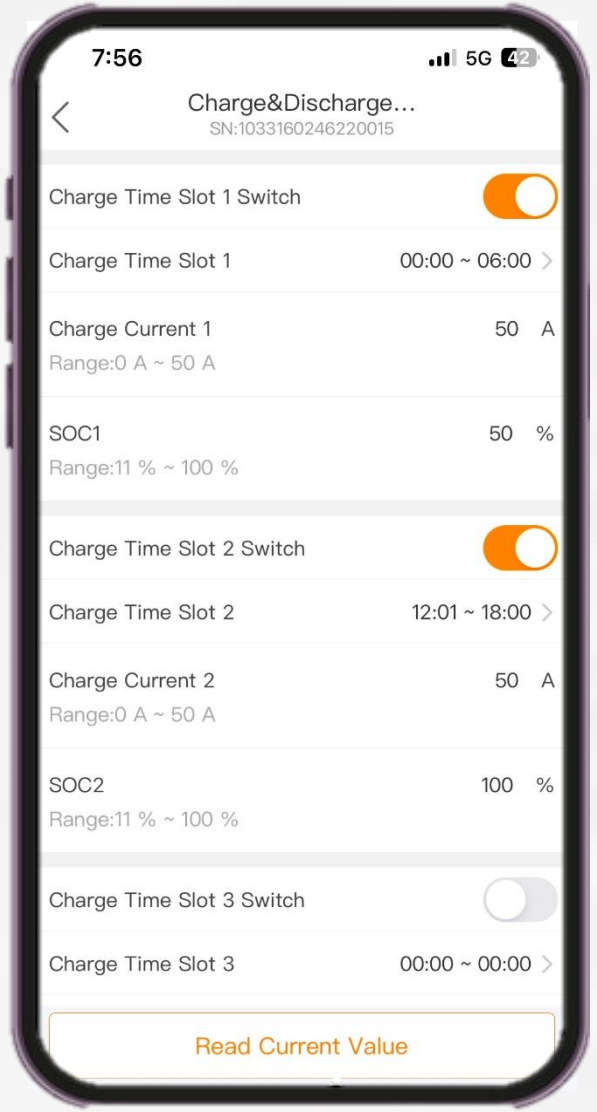
Security System


SolisCloud

Next Step Control

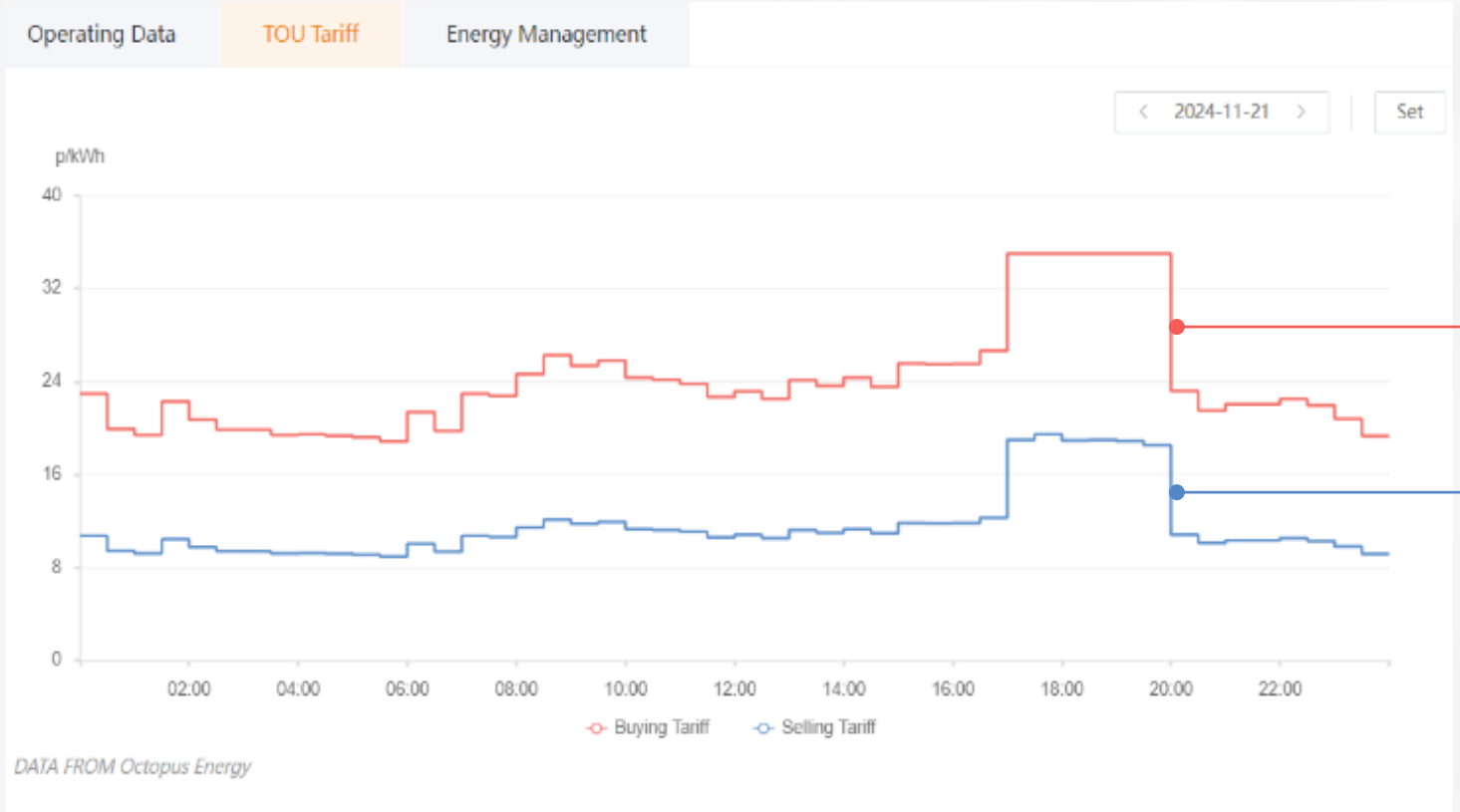






Market Energy Pricing: Nordpool

TOU Tariff function: users can view electricity price



Buying Tariff

Selling Tariff

Regions: Finland, Norway, Sweden, Denmark, Latvia, Lithuania, Estonia, Germany, France, Austria, Belgium, UK, Netherlands, Poland.

Solis AI

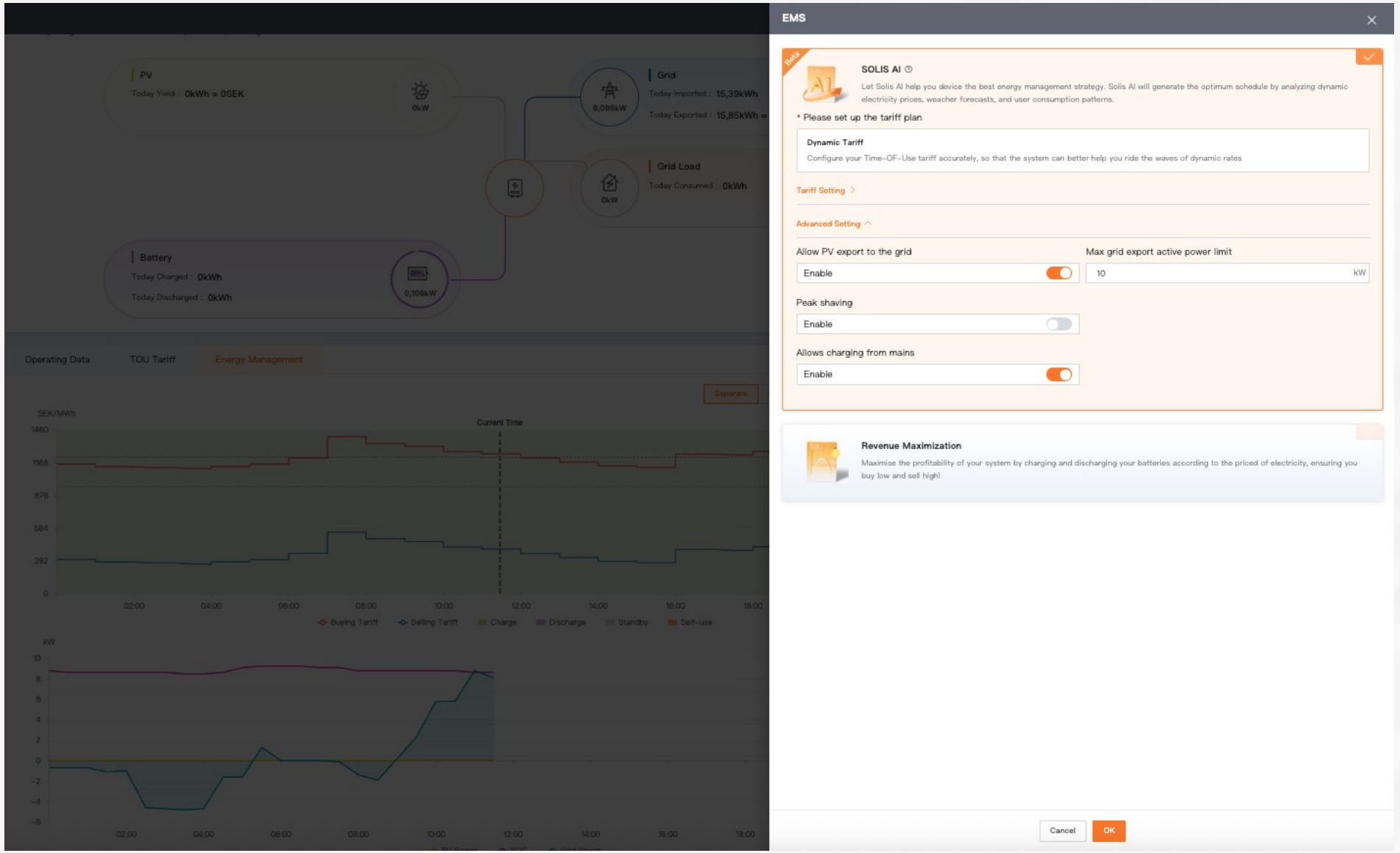
Automatically charge/discharge according to dynamic electricity price to maximize profits

Solis AI current logic:

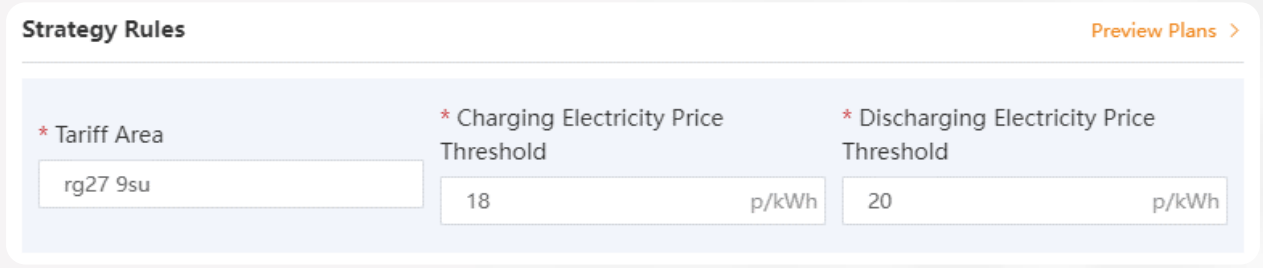
Continuous optimization: **Solis AI** will automatically create charging and discharging logic for users based on their electricity usage habits, dynamic electricity price, weather data, etc.
At the same time, it can automatically optimize and adjust optimization strategies based on a period of plant energy management data to reduce energy import or increase profits.

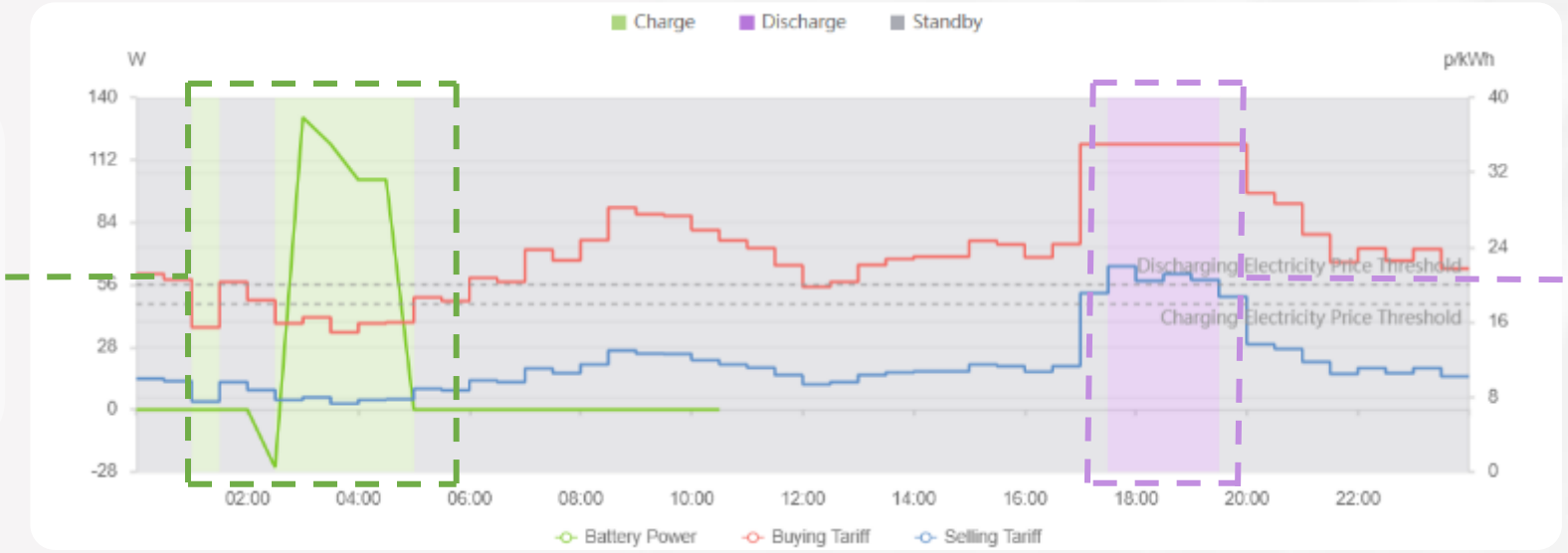
Next Step Control

Solis AI



Peak-Valley Arbitrage





Charge

When the buying tariff is lower than the charging threshold

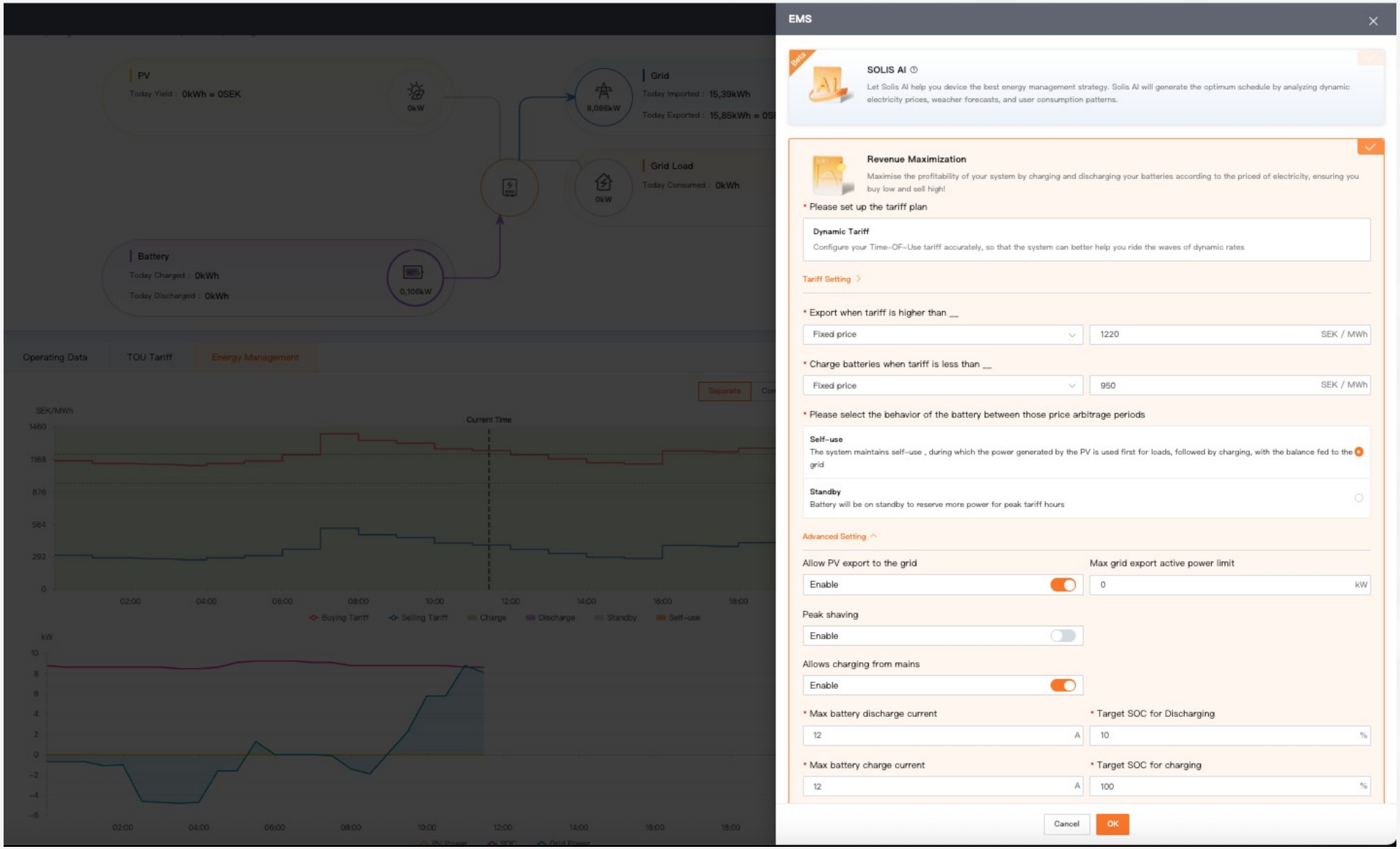
Discharge

When the selling tariff is higher than the discharging threshold

Users can define the charging/discharging price threshold based on the dynamic electricity prices in the selected tariff area, to develop a suitable control logic to achieve peak valley arbitrage.

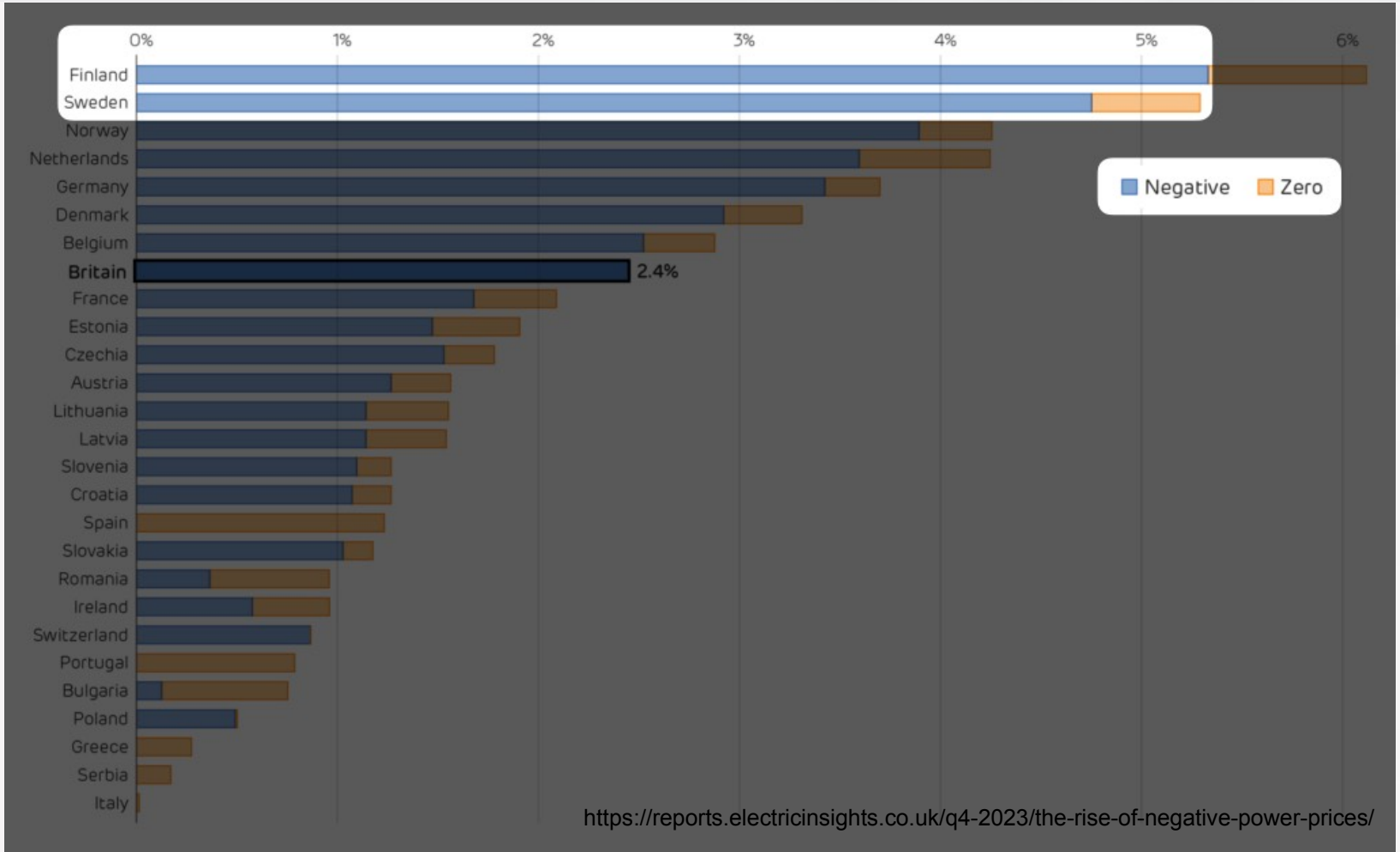
Next Step Control

Peak Valley



Negative Pricing

Sweden had 626-722 (SE1-4) hours of negative pricing in 2024. It is expected to increase.



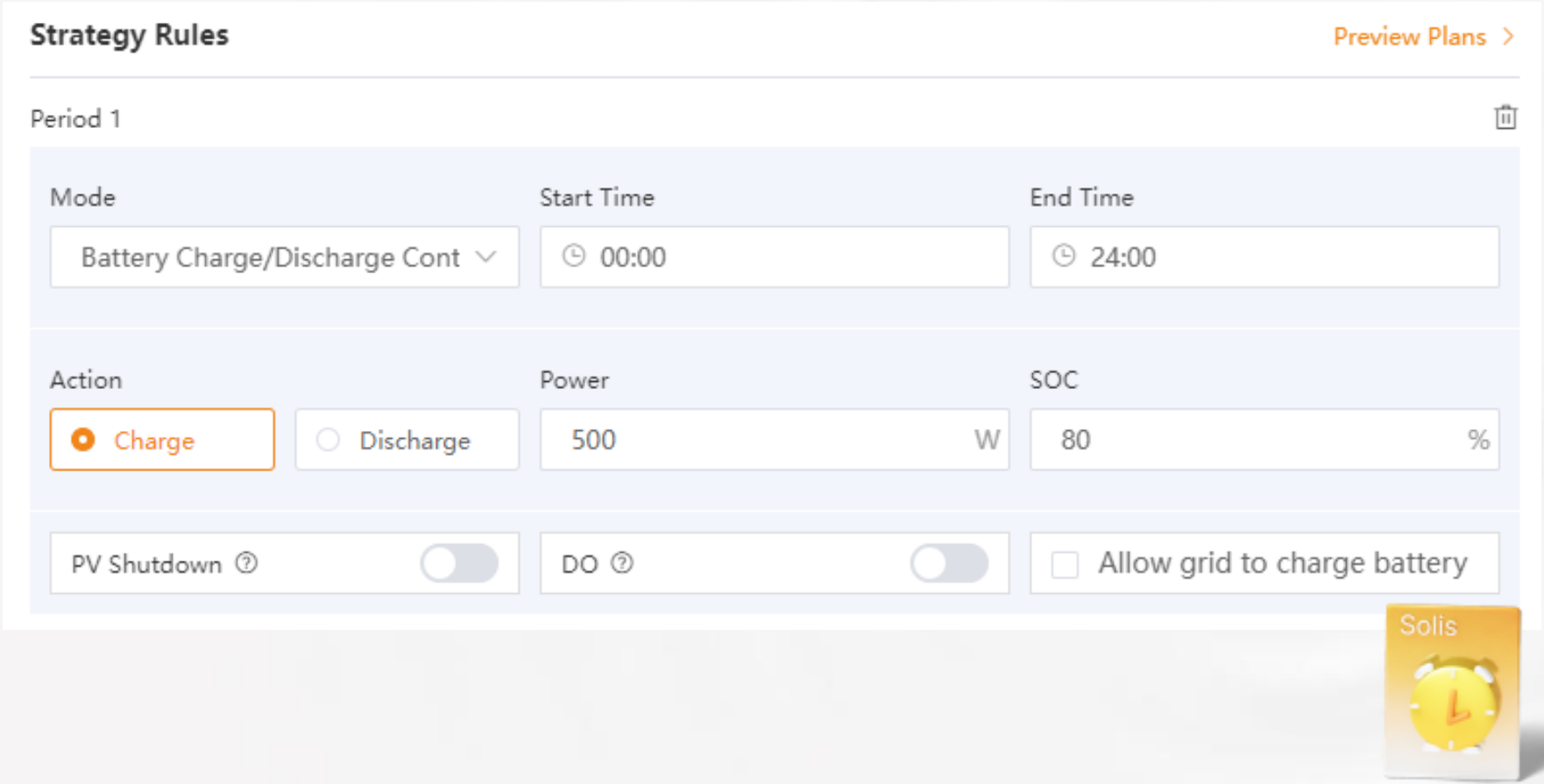
https://reports.electricinsights.co.uk/q4-2023/the-rise-of-negative-power-prices/

Timed Plans

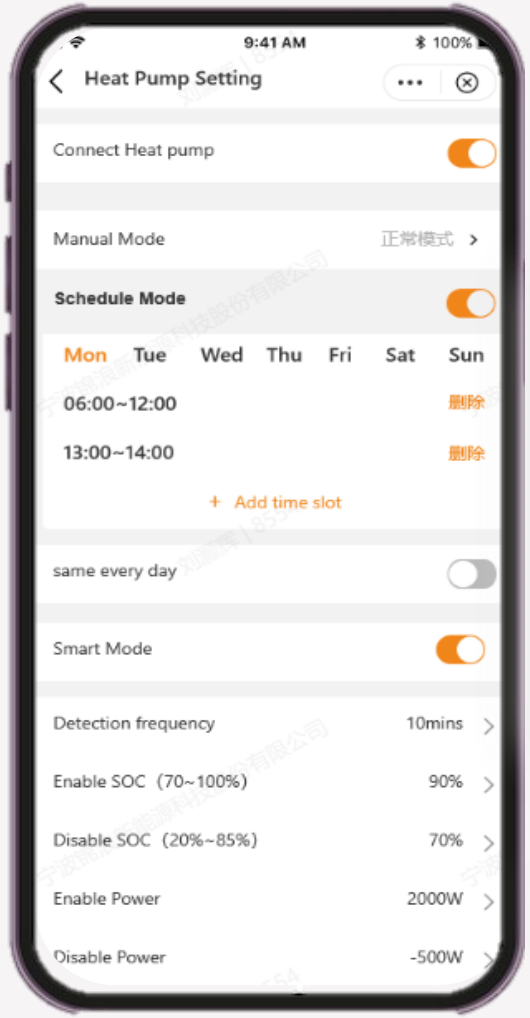
Charge and discharge the battery according to user-defined time periods

Users can set timed charging and discharging plans based on their electricity usage habits and electricity prices to maximize their benefits.

During **negative electricity price** periods, **PV shutdown** can be selected to maximize power consumption from the grid.



Heat Pump Control



Cyber Security and Data Security

SolisCloud server is located in Germany near Frankfurt

SolisCloud is GDPR Compliant with a special IOT Certification

SolisCloud and devices are ETSI EN 303645 Certified

- No default passwords
- Frequent software updates
- Protection against cyber attacks
- Ensure personal data is secure
- System resiliency against outages
- Easy for users to delete personal data

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CERTIFIED

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Certificate

Certificate Number: CG 50582287 0001
Report Number: 18024507 001

License Holder:
Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Manufacturing Site:
Ginlong technologies Co., Ltd.
Room 1003, Building B, 4760 Jiangnan Avenue,
Puyan Street,
Binjiang District, Hangzhou City,
Zhejiang
P.R. China

Certification Mark:

Certification acc. to: 2 PfG CH 0003/10.19

Type of product certification scheme: Test + Inspection + Certification

Product Information — Annual Fee Unit

Name of product: Information System
IoT associated services

Type: SolisCloud APP and corresponding Service URLs

Technical Data: Service URLs:
https://www.soliscloud.com

Remarks: The certified IoT Service has high quality in accordance with TÜV Rheinland's IoT Service requirements. The assessment is based on TÜV Rheinland's Protected Privacy IoT Service Catalogue of Requirements (2PfG CH 0003), which is based on security experience and best practices, including legal compliance assessment, technical verification, management assessment. For details, please refer to the test report.

Date of issue: 2023-04-23 Date of expiry: 2026-04-23
Certification body: TÜV Rheinland (China) Ltd.

Certifier signature: Dr. Chen Weikang

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