Smarter Energy Management, More Value from Solar

How the SAJ HS3 system turns solar energy into greater value, with added intelligence from elekeeper

Jaume · Mahón, Menorca, Spain

THE CHALLENGE

Making better use of solar energy and reducing reliance on grid electricity.

THE SOLUTION

SAJ HS3: a 6 kW inverter, 10 kWh battery and intelligent energy management with elekeeper.

THE RESULTS

≈82% less electricity imported from the grid.*
€571 in total revenue shown in the dashboard.



Before installing the SAJ system, Jaume had a 3.3 kW solar inverter without battery storage. His home consumed less than 4,000 kWh per year, yet still bought grid electricity while exporting surplus solar energy.

In March, he upgraded to the HS3 All-in-One Solution. In late September, he switched to an indexed tariff and activated AI Saving to adapt battery operation to weather conditions and hourly electricity prices.

* Estimated reduction over the first seven months, compared with a prorated previous annual baseline. Customer and dashboard data.

From Solar Surplus to Greater Energy Value

A 10 kWh battery stores surplus solar energy so the home can use it when it is needed most.

≈82%

Estimated reduction in grid electricity imports[1]

230 kWh

Imported from the grid in the first seven months

≈40% → 95%

Approximate self-consumption reported by the homeowner[2]



The SAJ HS3 All-in-One Solution installed at Jaume's home.

Less Electricity from the Grid

A comparison over the first seven months

Before · Estimated[1]

1,283 kWh

With SAJ · Recorded

230 kWh

Store More, Use More

Previously, Jaume exported around **2,400 kWh** of surplus solar energy each year while still importing approximately **2,200 kWh** from the grid.

With HS3, his home can store that surplus for periods of lower solar generation or higher demand. These early results highlight the potential of combining solar generation and battery storage.

[1] Estimated baseline: 2,200 kWh/year × 7/12 ≈ 1,283 kWh. Reduction: (1,283 - 230) / 1,283 ≈ 82%. [2] From approx. 40% to 95%, as reported by the homeowner; not an independent measurement.

Smarter Energy Decisions, More Value Every Day

In late September, Jaume switched to an indexed electricity tariff and activated AI Saving in elekeeper, opening up new opportunities to optimise his energy costs.

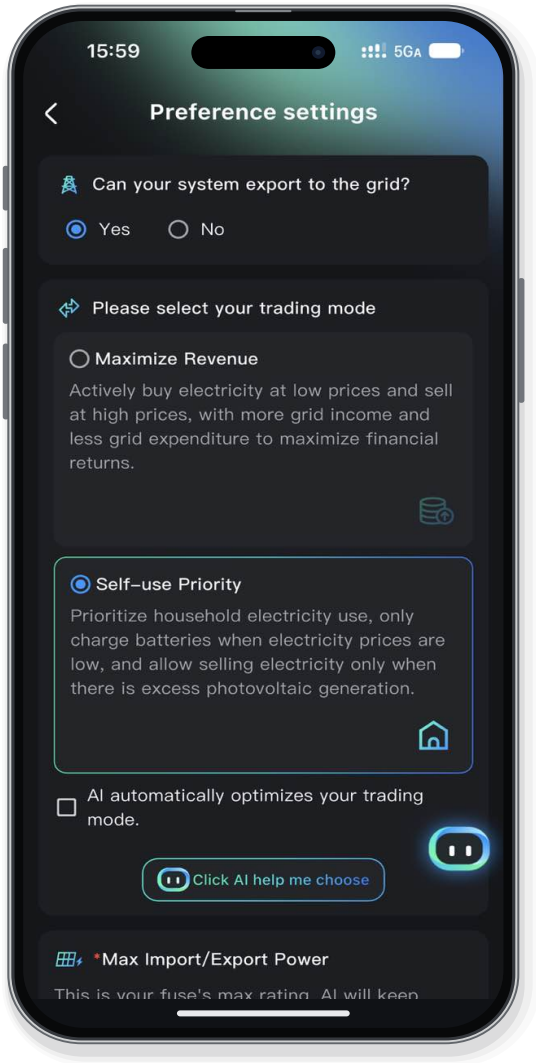
What makes his experience particularly interesting is how he uses AI Saving. Rather than pursuing maximum revenue all the time, Jaume chooses between two operating objectives based on his household's needs and weather conditions:

Maximise Revenue:
Takes advantage of electricity price fluctuations to increase potential energy revenue, particularly when solar production is expected to be low.

Self-use Priority:
Prioritises using stored solar energy to meet household demand.

A choice that fits everyday life

For everyday operation, Jaume keeps Self-use Priority as his preferred setting, switching to Maximise Revenue selectively when weather conditions are less favourable for solar generation.



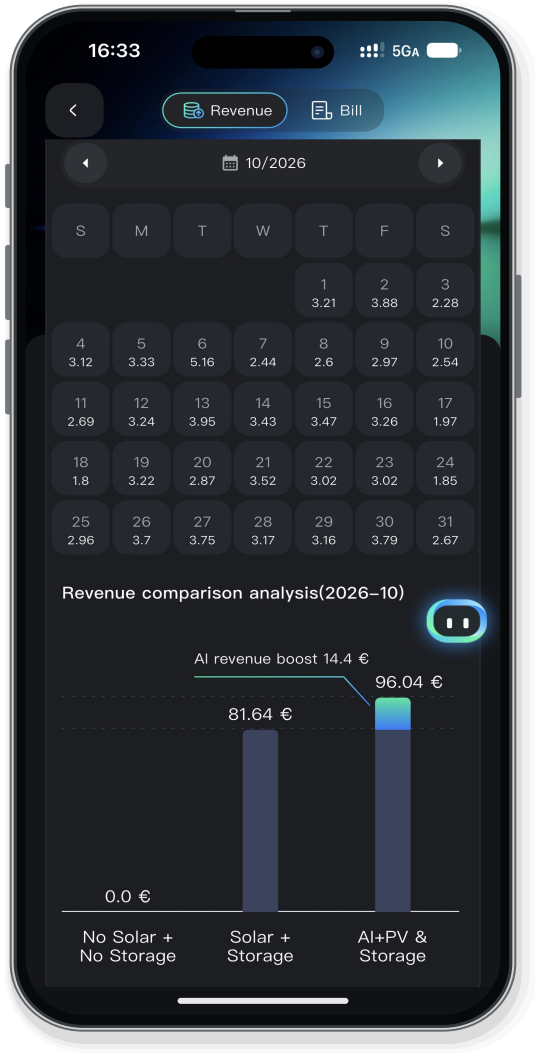
AI Saving preference settings in elekeeper.

"I started trying AI Saving after switching tariffs, and honestly, it works really well."

Jaume, the homeowner

Self-Consumption First. Extra Revenue, Too

With AI Saving, elekeeper helps Jaume balance self-consumption and revenue optimisation based on his household needs and weather conditions. The October results demonstrate the additional value AI-powered energy management can bring, even when self-consumption remains the priority.



elekeeper revenue dashboard. October 2026.

Total Revenue in 7 months

€571

Revenue in October

€81.64

Solar PV and storage alone

+€14.40

Additional revenue attributed to AI Saving

This represents additional value generated through intelligent energy optimisation, without requiring Jaume to prioritise electricity-price arbitrage all the time.

With elekeeper, energy optimisation is not a one-size-fits-all strategy. It adapts to different priorities, helping homeowners balance self-consumption and potential revenue on their own terms.

Better Visibility, Greater Confidence

Detailed energy data helps homeowners understand system performance and make better-informed decisions.

Data That Connects to Daily Life

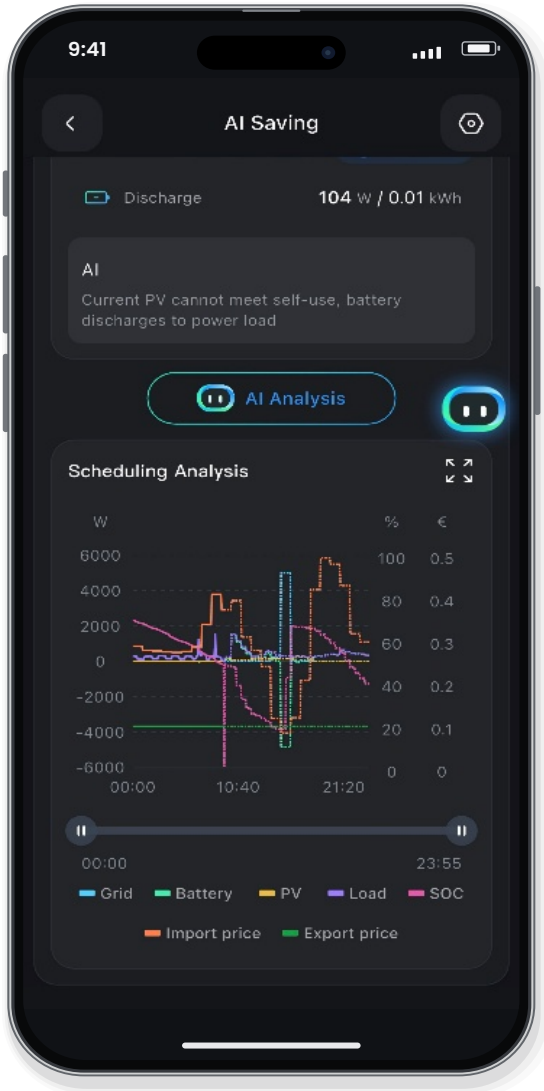
Jaume reported that elekeeper's grid import and export readings closely matched his electricity bills. This visibility helps him better understand how his system performs.

A More Complete Experience

He also appreciated the system's appearance, the integration between the inverter and battery, and the responsive support he received when software update issues arose.

> *"The consumption and energy export data provided by elekeeper are almost identical to the figures on my electricity bills."*
>
> Jaume, the homeowner

> *"The elekeeper app is much more comprehensive than the app I used before, providing far more data and graphs, as well as a much more attractive visual experience."*
>
> Jaume, the homeowner



AI scheduling analysis in elekeeper.

System at a Glance

An integrated energy solution for Jaume's home in Menorca.

Installation and Management

Location	**Mahón, Menorca, Spain**
Previous system	**3.3 kW inverter, without battery storage**
SAJ solution	**HS3 All-in-One Solution**
Inverter power / battery capacity	**6 kW / 10 kWh**
Energy management platform	**elekeeper**
Intelligent energy feature	**AI Saving**

Case Results

Total revenue in seven months	**€571**
October revenue from PV and storage	**€81.64**
Additional AI Saving revenue in October	**€14.40**
Grid imports in the first seven months	**230 kWh**
Estimated reduction in grid imports	**≈82%**
Reported self-consumption	**From ≈40% to ≈95%**

About elekeeper

elekeeper is SAJ's AI-powered energy management platform, helping homeowners understand, control and optimise how energy is generated, stored and used.

It combines real-time monitoring, intelligent battery optimisation, AI-powered energy saving and a natural-language energy assistant. By adapting to household needs, weather conditions and electricity prices, it turns energy data into smarter decisions.

elekeeper. The Intelligence Behind Your Energy.

All figures are based on customer-provided information and dashboard data. Results vary depending on system configuration, household consumption, solar generation, weather conditions, electricity tariffs and operating settings. Revenue figures are not guaranteed net savings or financial returns.