



Home energy monitor

EcoFlow PowerInsight

Visualise your home energy, smartly



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Web: www.elite-renewables.co.uk

Email: hello@elite-renewables.co.uk



The All-in-One Home Energy Monitor

EcoFlow Powerinsight, a sleek 10-inch all-in-one home energy monitor to visualize your home energy data in real time and control smart home devices to boost your home energy efficiency.

- 10 inch

Touchscreen
- One glance

To get all energy data
- One tap

To control the entire home



Device control: a smarter way to run your smart home

Integrated in the EcoFlow Home Energy Ecosystem, the PowerInsight can connect with EcoFlow energy products, and other supported third-party devices, allowing homeowners to view and control their home energy easily.

WiFi

Wi-Fi

Matter

Matter

Solar Panel

Portable Power Station

Smart Plug

PowerInsight

EV Charging Solution

Home Solar Battery

Smart plugs

Thermostate

Smart meter

Smart lights

More to come

*Subject to more supported appliance updates in the future.

Energy Stats, Clearly Defined

See real-time home energy data daily, monthly, and annually. Curious about your home's eco-friendliness? This is where you will get all the answers!



Solar power generation



Home energy consumption and sources



Battery charge and discharge

Why choose EcoFlow PowerInsight

	EcoFlow PowerInsight	Other energy apps
Larger screen	The 10-inch, interactive, dedicated home energy monitor offers better user's experience.	Based on smart phone.
More data	The built-in temperature sensor and humidity sensor allow users to view climate data at a glance.	Humidity data is not available. Temperature data based on third-party weather forecasts.
Indoor temperature monitoring	Adjust the thermostat more accurately based on indoor environment monitoring.	Only environmental temperature data is available based on third-party weather forecasts.
Matter supported	The independent gateway allows us to connect and control more smart devices through Matter.	Matter is not supported. Fewer third-party devices can be connected.

Control your home appliances, smartly

Turn off all the lights while you're away from home, or turn on the heater before you arrive home... These can be easily handled with just one tap!

Storm warning before 24 hours. Get the battery pre-charged to the fullest to prepare for severe weather.

Temperature auto-adjustment keeps your home comfortable while saving energy

With a built-in indoor temperature sensor, the EcoFlow PowerInsight can adjust temperatures more appropriately by controlling your thermostat. By relentlessly managing the temperature, it reduces energy consumption and utility costs.

An energetic insights into your EV charging

Directly connects with EcoFlow's PowerPulse EV charger to provide real-time insights into your EV's solar energy usage, offering complete control and understanding of home energy dynamics.

*All specifications and descriptions shown may differ from the actual specification of the product. EcoFlow reserves the right to make changes and amendments to the product shown and described here at any time without prior notice of such change. All functionality, features, specifications, design and other product information displayed in this webpage including, but not limited to, components, performance, availability, and capabilities of the product are subject to change without notice. The contents and simulated images within the screen are for demonstration purposes only.

EcoFlow PowerInsight

ECOFLOW

Home Energy Monitor

Visualise your home energy, smartly

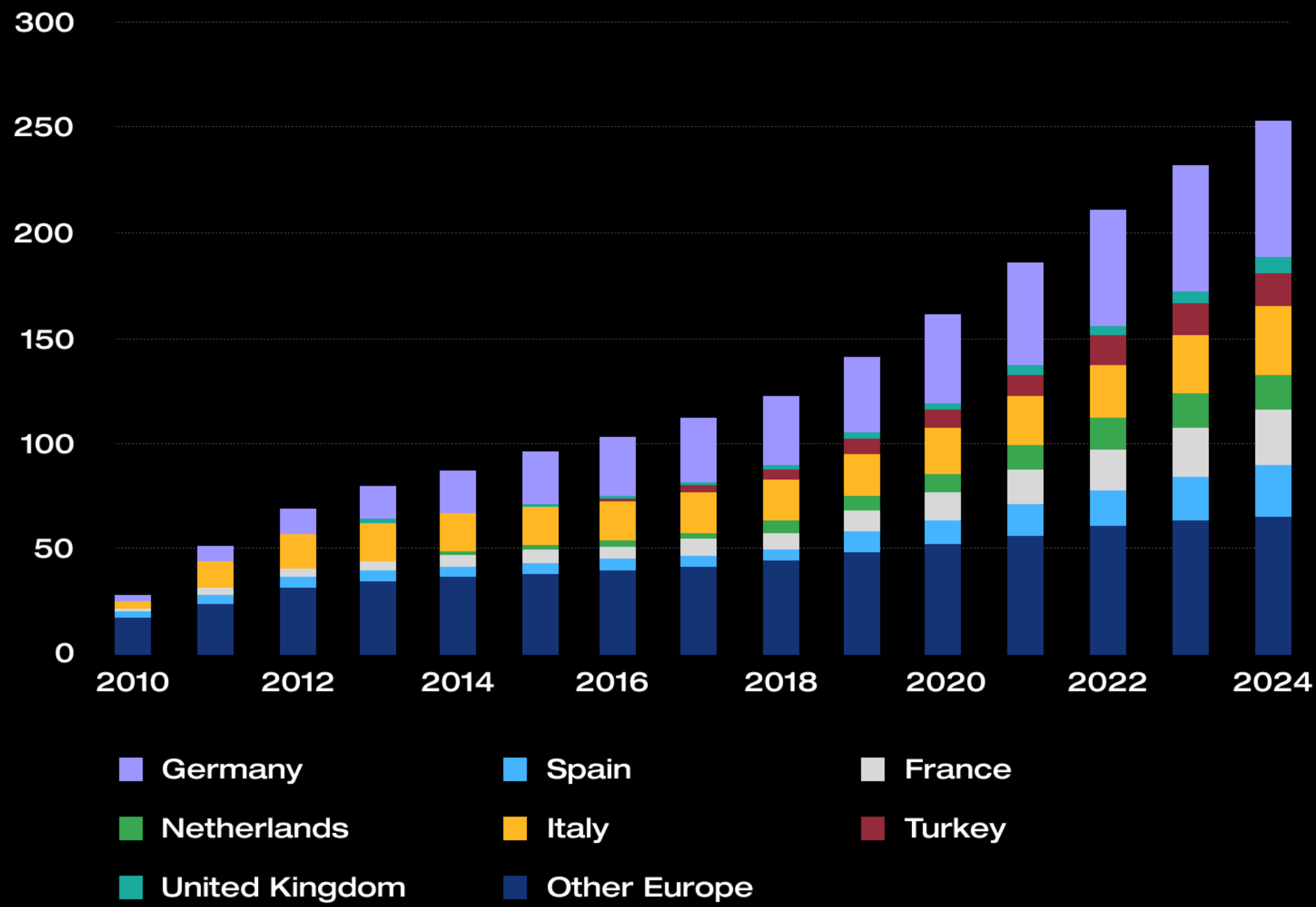


More and more users are going solar, as electricity rates are getting higher and higher

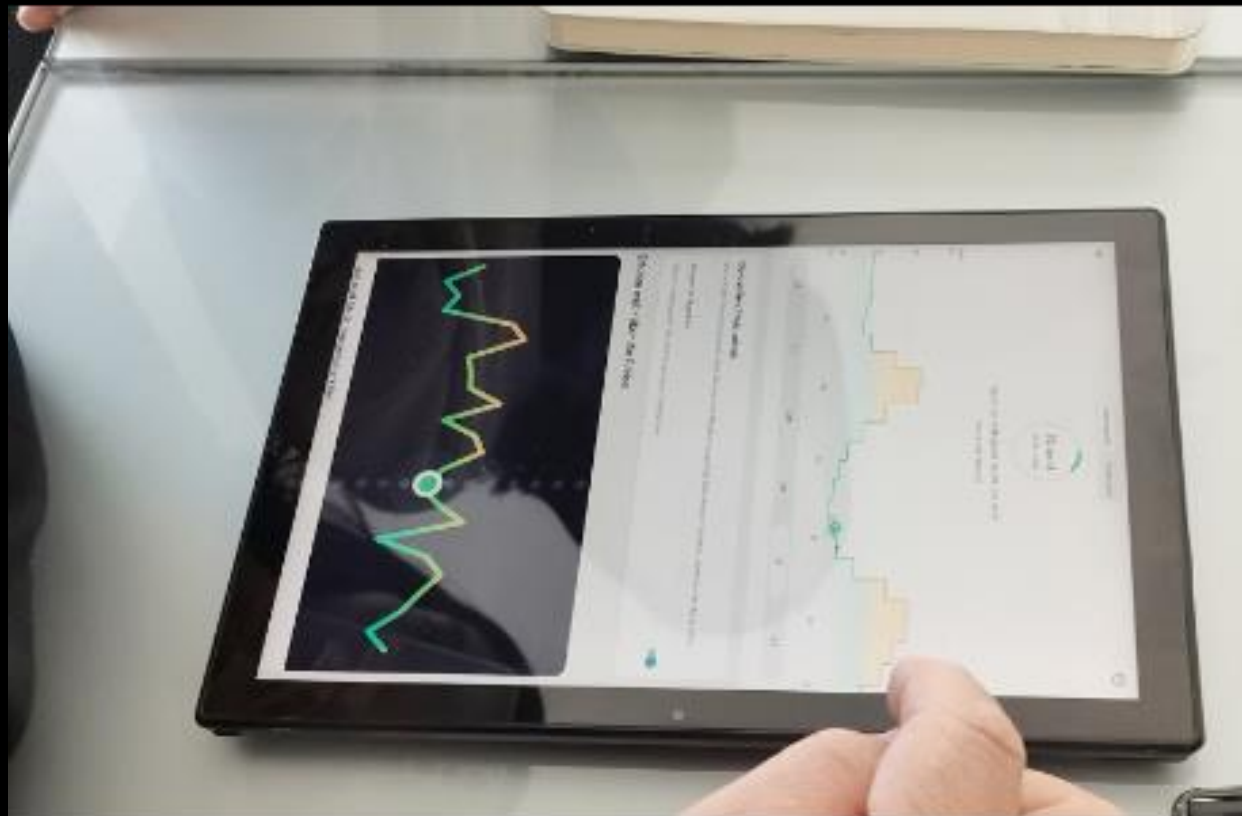
Imagine that you are a family of 4, and your household normally uses 4,000 kWh of electricity per year.

In 2022, you paid €1760/year, rising by 55% on average.

Cumulative solar PV installations, Europe, 2010-2024



People seek for a solution to visualise, and smartly manage their home energy



Henning, in Düsseldorf

“With the app and the panel, I can check the real-time energy rate and energy consumption for my house! When I realize the rate is low, I would switch on some of the heavy-duty appliances.”



Martina, in Munich

“I use this smart panel to supervise the power usage of my entire house. I can switch on/off and control many electronic devices, even the little fountain in my backyard!”



Johannes, in Stuttgart

“I’m using smart meter and smart plugs to control my home energy. During the day, the solar panel is charging my power station. But when it’s at night, I will feed the energy back to the grid, to save electricity bills.”

And to eventually go for a smart, sustainable, power-independent life.



EcoFlow PowerInsight

The All-in-One Home Energy Monitor

A sleek 10-inch all-in-one home energy monitor to visualise your home energy data in real-time and control smart home devices to boost your home energy efficiency.



Easy to use, shared with all family members

10 inch

Larger screen

10 point

Multi touch

One glance

To get energy data

One tap

To control the entire home



Get an EcoFlow PowerInsight, so you can...

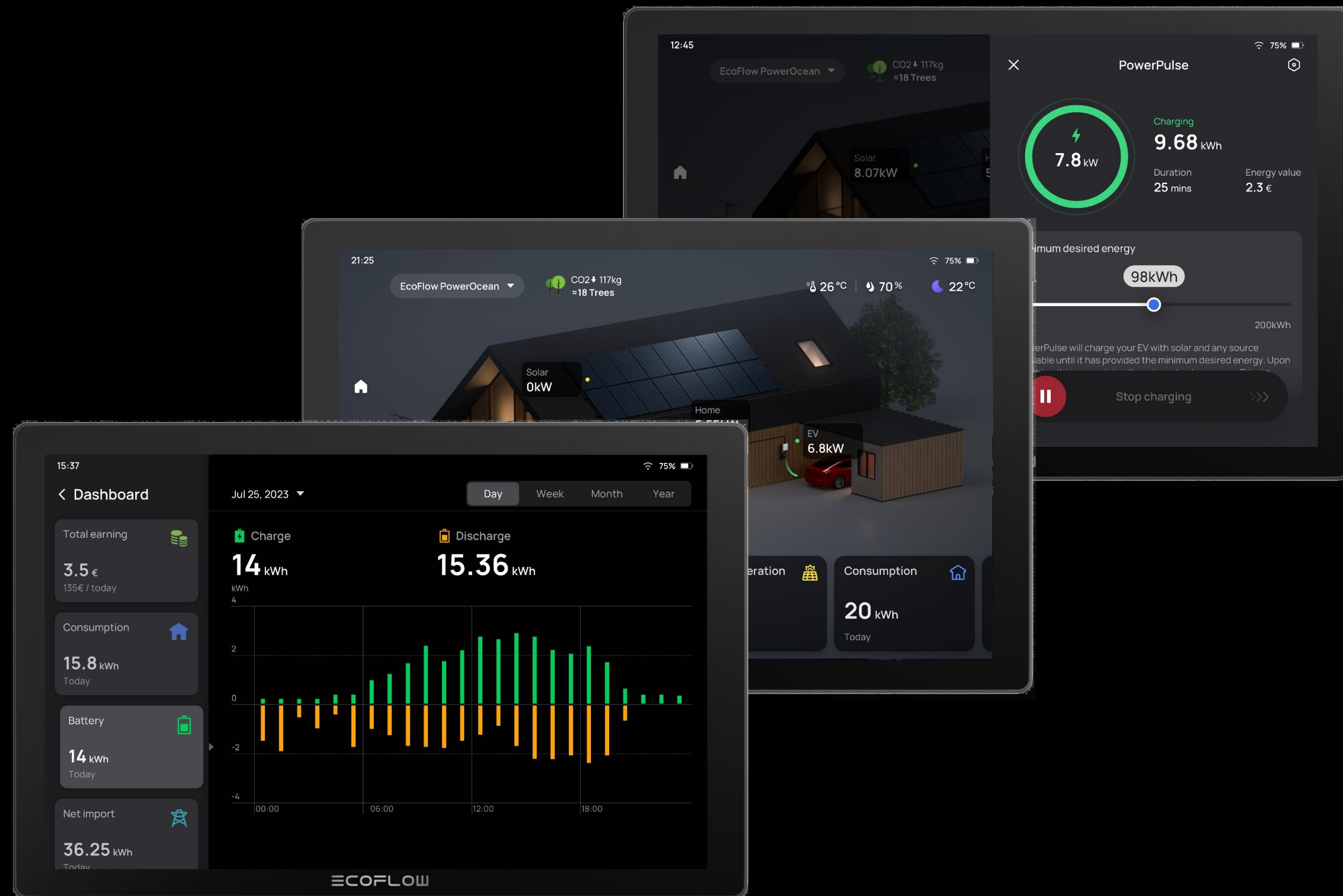
 Monitor all energy data at a glance.

 Control your smart home devices.

 Easily adjust your home's climate.



To know your energy data better, to understand your home better.



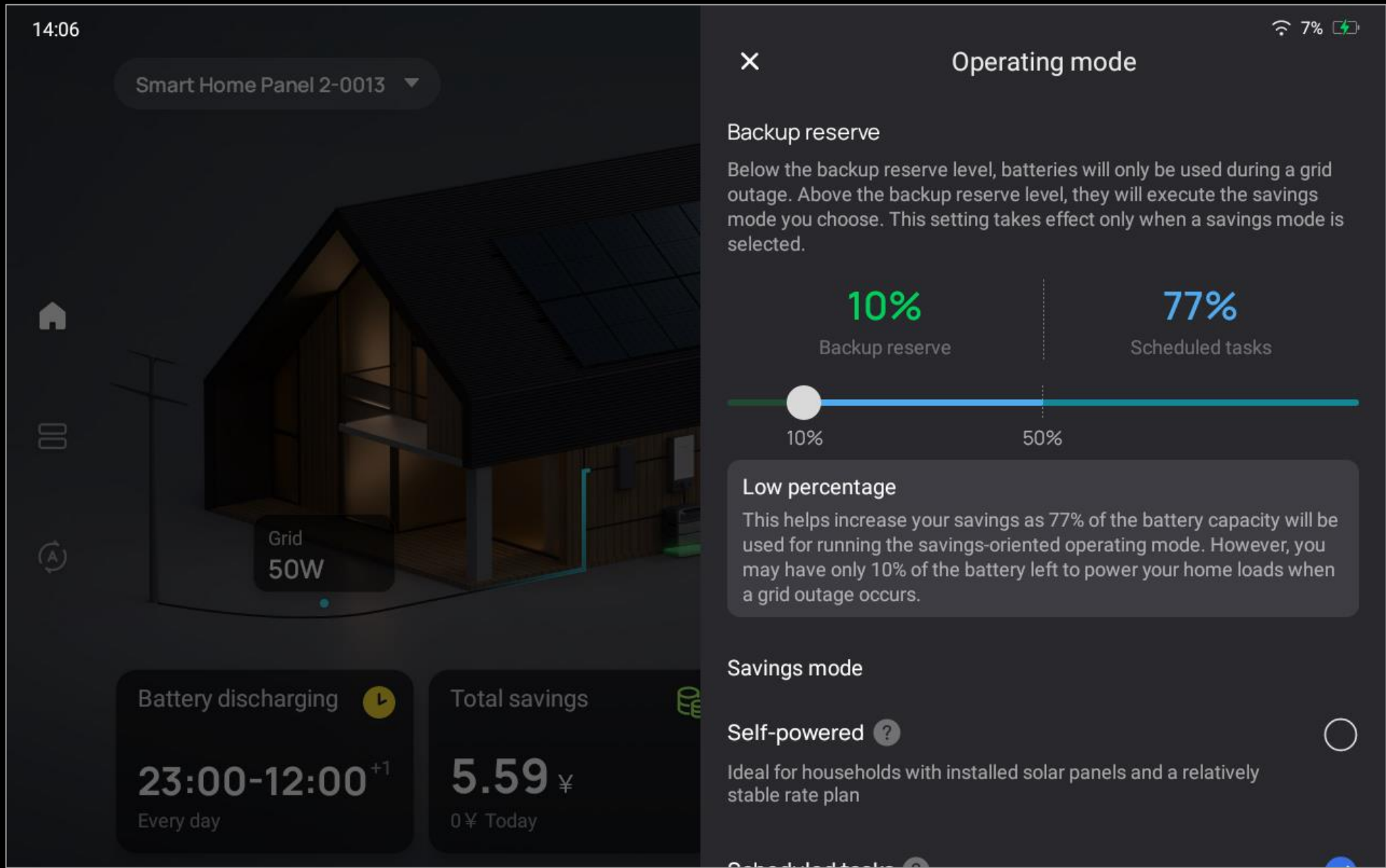
Curious about your home's eco-friendliness? This is where you will get all the answers!

It is a comprehensive energy dashboard, where users can easily view their home energy data, in real-time, by day, month, and year.

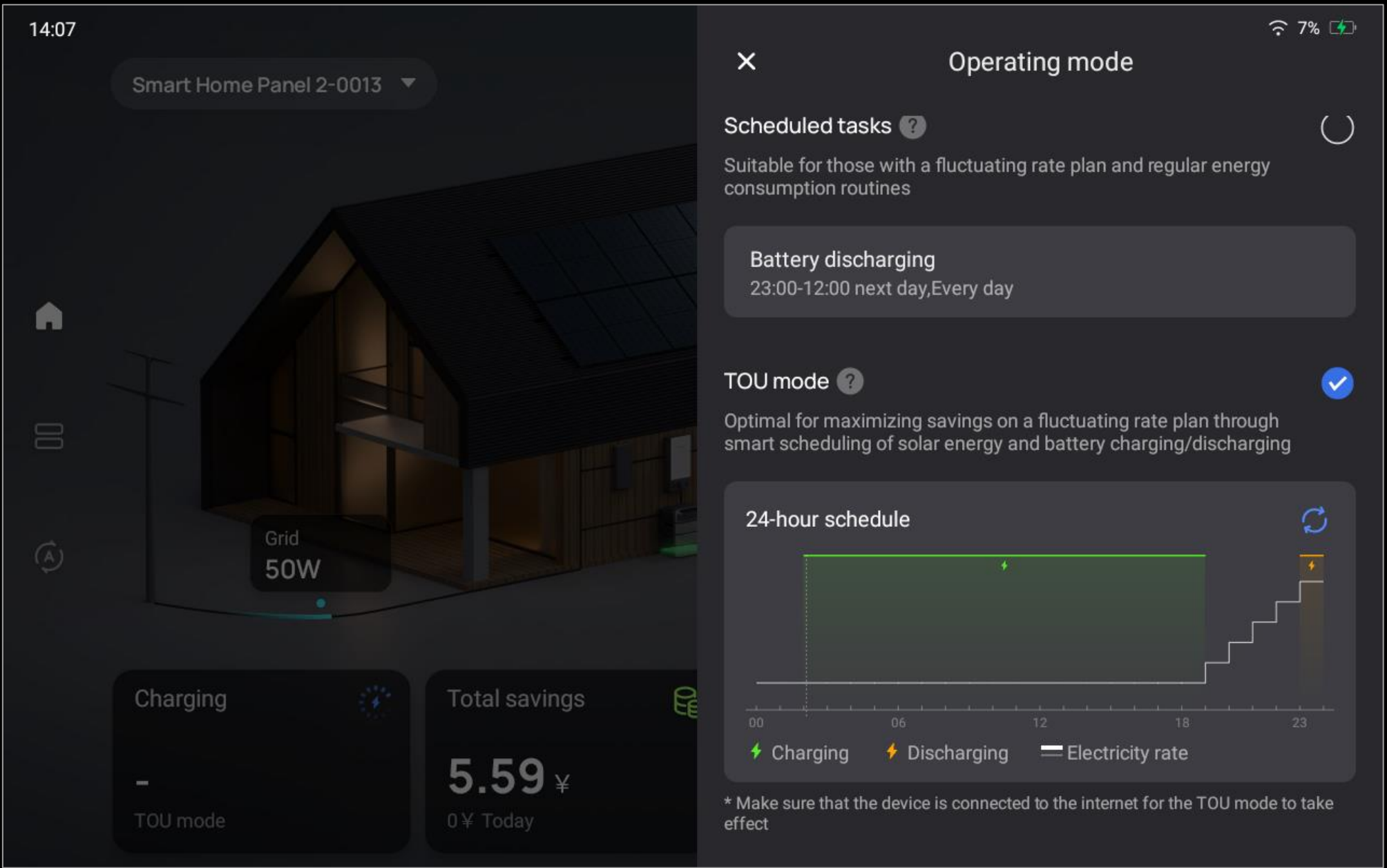
- Solar power generation
- Home energy consumption & sources
- Remaining battery
- Energy bill saved
- CO2 emission avoided
- Temperature/humidity
- Weather conditions
- And more...

Customise your home energy settings

Based on EcoFlow’s Home Energy Management System, EcoFlow PowerInsight allows users to customise their energy mode easily with just a few clicks.

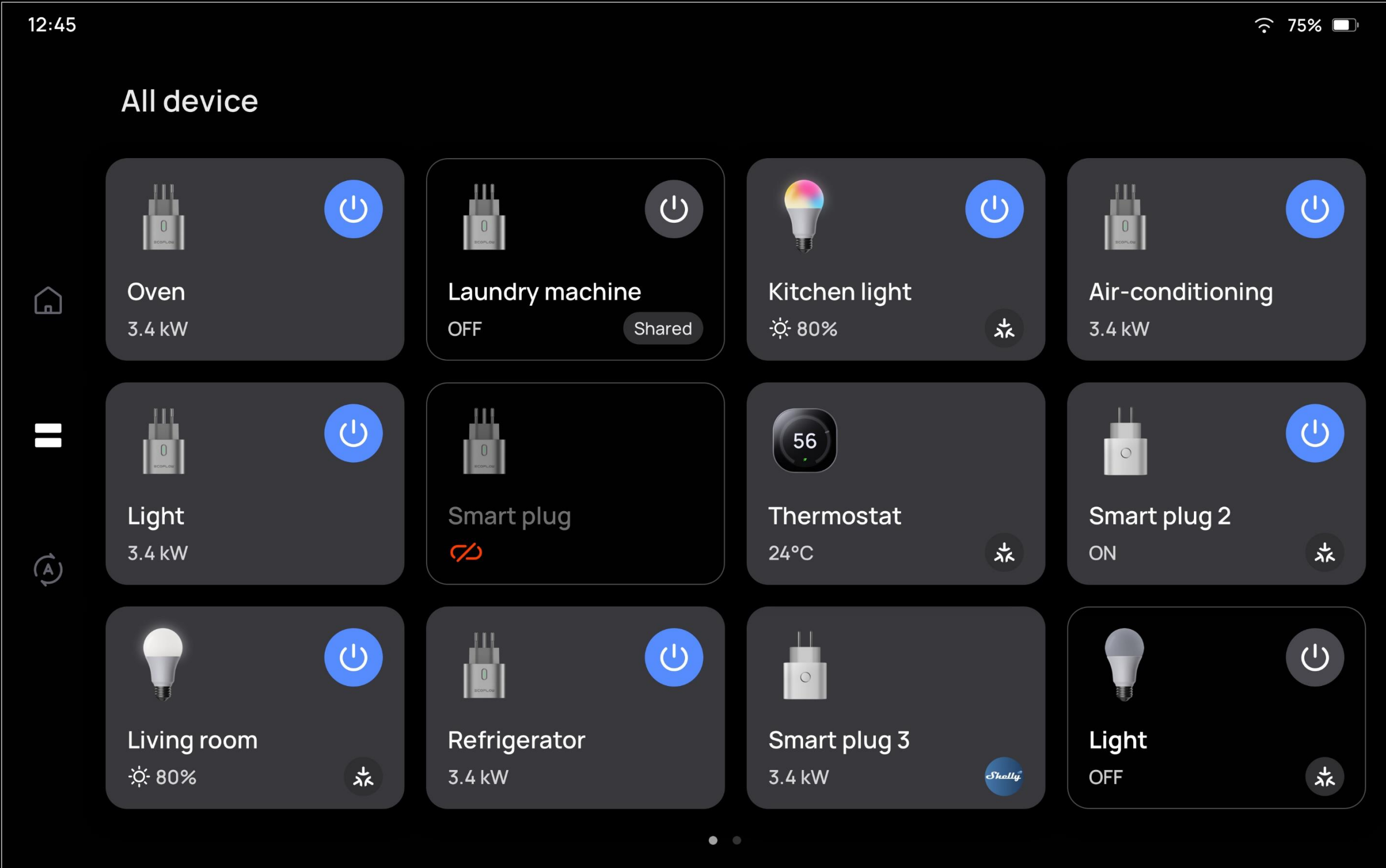


Backup reserve mode



TOU mode

A smarter way to run your smart home.



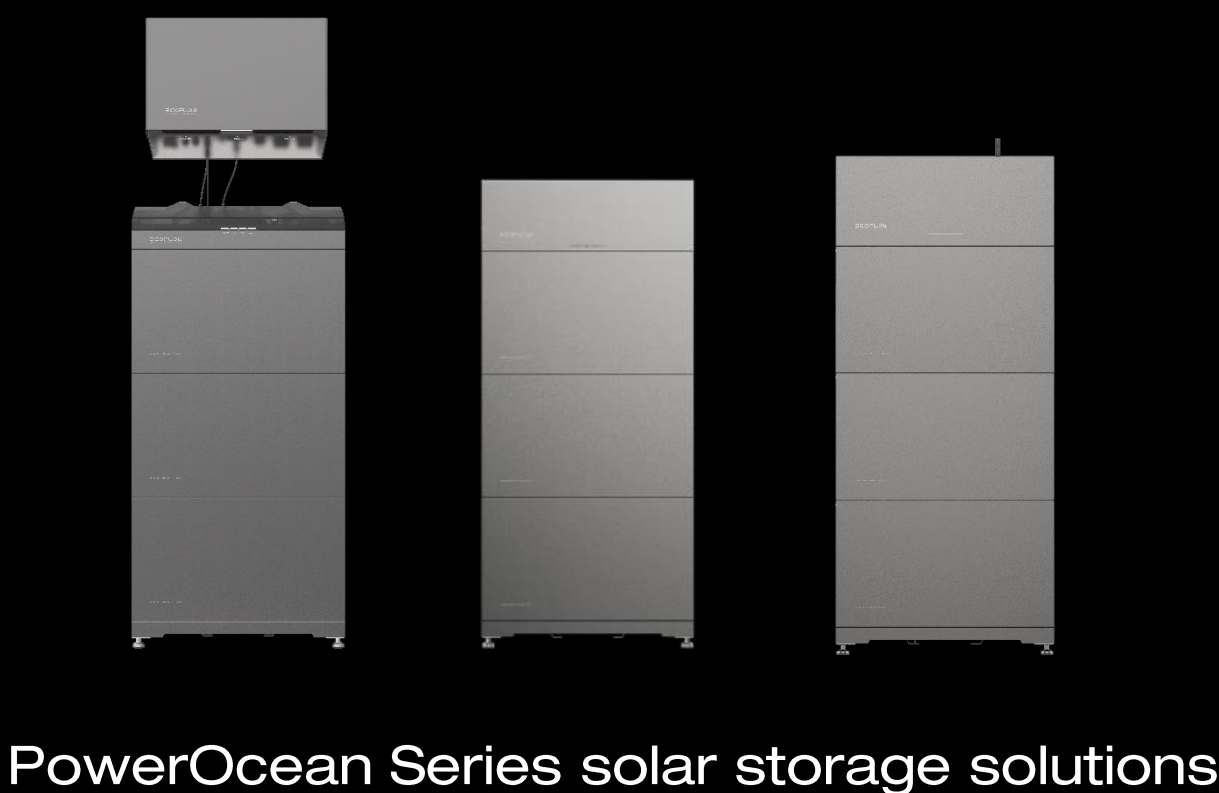
Integrated into the EcoFlow Home Energy Ecosystem, PowerInsight can connect with EcoFlow energy products and other supported third-party devices, allowing homeowners to view and control their home energy easily.



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See what works with EcoFlow PowerInsight

EcoFlow Energy Products



Third-party Devices

Smart Plugs



Shelly
Tapo

Thermostats



Ecobee
Google Nest

Smart Meters



Shelly 3EM

Smart Lights



Linkind

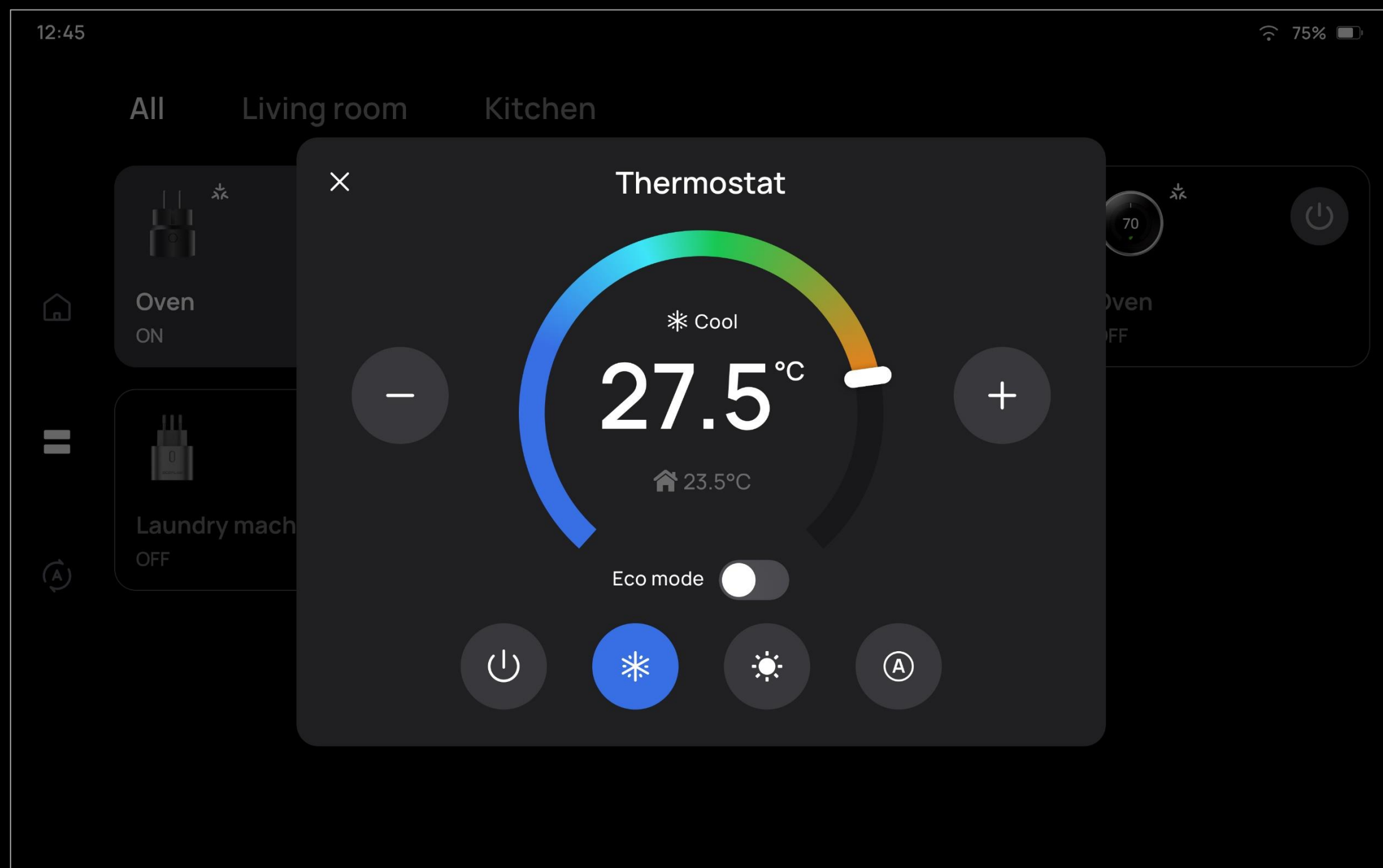
And more to come...



EcoFlow PowerInsight has been updated to support Matter. Matter is a new communication protocol used in smart home devices. Matter offers significant advantages in interoperability, simplicity, security, compatibility, and scalability.

Adjust temperature smartly for a cozy home

The EcoFlow PowerInsight can adjust the temperature to a more appropriate level with a built-in sensor to provide more accurate indoor environment monitoring.



Creating Synergy with EcoFlow Smart Plug

By connecting through the EcoFlow Smart Plug, PowerInsight allows users to monitor real-time power consumption and smartly control each appliance.



Wi-Fi



bluetooth



Matter

- 2-Year Warranty
- Over-temperature/Overload Protection
- Customised Power Limit
- Flame-Retardant Materials
- Anti-Misinsertion Design
- -10°C to 40°C Operating Temperature

A day with EcoFlow PowerInsight

Turn off all the lights while you're away from home, or turn on the heater before you're arriving home... teaming up with the pre-set EcoFlow App, these can be easily handled with just one tap!



Go to work

Away mode: Switch off all lights, heaters, and smart plugs while you're away.

Before arriving home

Set your thermostat to the target temperature on the app before arriving home.

After arriving home

Track and manage your daily energy usage, bills saved, and power-independence rate.

Go to bed

Sleep mode: Shut down certain electrical devices and adjust heater to the pre-set level. Switch on the EV charger.

Vision of your future home energy

Connected through EcoFlow PowerInsight



Why EcoFlow PowerInsight?

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Specifications

Design	
Dimensions	244.4mm*158.6mm*12.6mm (H*W*D)
Weight	Approx. 600g
Color	Black
Button	Power on/ off
Display	
Size	10.1 inch
Type	IPS
Resolution	1280 x 800 pixels
Screen	10-point multi touch
Performance & Memory	
CPU	MT8168
ROM	16GB
RAM	2GB

Battery & Charging	
Battery	3000mAh
Charging	5V/2A charging, Pogo Pin charger

Connectivity	
WLAN	802.11 a/b/g/n/ac 2.4GHz, 5GHz
Bluetooth	Bluetooth 5.0

Sensors	
Sensor	Temperature and Humidity Sensors Ambient Light Sensor Proximity Sensor