

# PowerOcean Single-Phase: Ensuring Safety and Easy Installation for the UK Market

**Time:** 10am BST

Sponsored by

**ECOFLW**



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MODERATED BY  
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Editor in Chief



ECOFLOW



# Europe's Path to Carbon Neutrality by 2050

More Homeowners are looking for  
**One-stop Home Energy Solution**



## Challenge of Managing Multiple Brands and Apps



## EcoFlow Home Energy Ecosystem

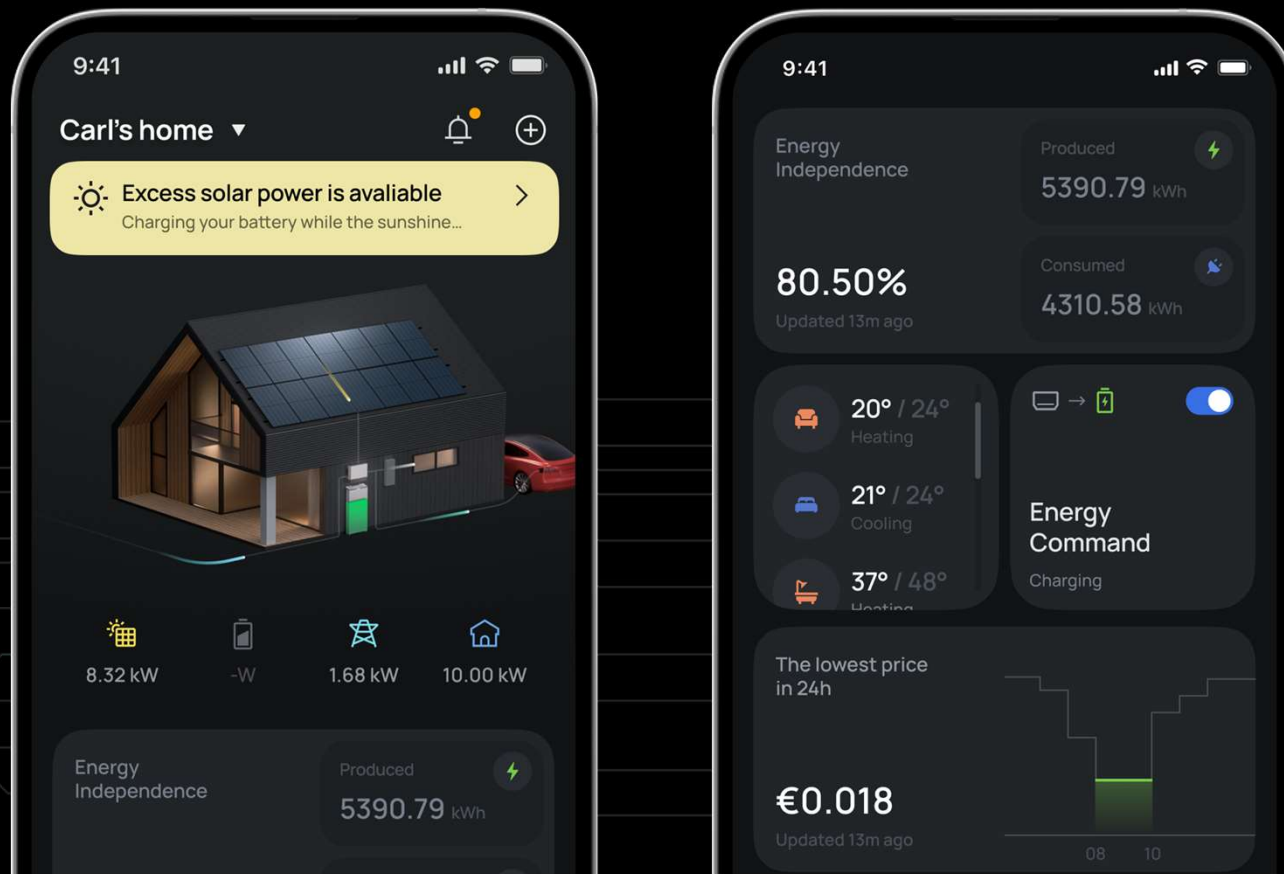
# Synergy between the Hardware and Software





# EcoFlow App

## All-in-one Home Energy Space



Solar generation today

99.81 kWh

Consumption today

19.83 kWh

Net usage today

-79.89 kWh

Energy independence

16.42%

80.50%

Total earnings today

118.23 €

6651.30€ till now

Impact

420.48 kg

CO2 emissions offset

Solar generation

369.72 kWh

To home (16.78%)62.04 kWh

To PowerPulse (5.28 kWh)To PowerHeat (12.09 kWh)

To battery (15.46%)57.15 kWh

To grid (67.76%)250.53 kWh

Consumption

88.50 kWh

From solar (70.10%)62.04 kWh

From battery (18.60%)4.68 kWh

From grid (11.90%)21.78 kWh

Grid usage

28.56 kWh Import252.57 kWh Export

Energy independence

80.50%

Energy independence evaluates the solar generation versus the consumption of your ...

Learn more

Energy-Balance

Generation	Consumption
16172.37 kWh	12931.74 kWh

4723.41 kWh29.21%

5686.83 kWh35.16%

5762.10 kWh35.63%

4723.41 kWh36.53%

4595.64 kWh35.54%

3612.69 kWh27.94%

Energy balance provides an overview of the total generation versus consumption and a breakdown by sources for detailed evaluation

Energy earnings

6651.30

118.23 €

Impact

1261.44 kg

CO2 emissions offset

189.21

Trees planted

5272.83 km

km driven



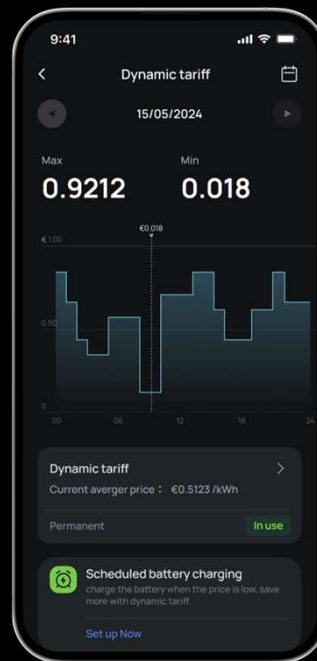
EcoFlow App

Control, Customise, and Automate Your Energy  
Flow

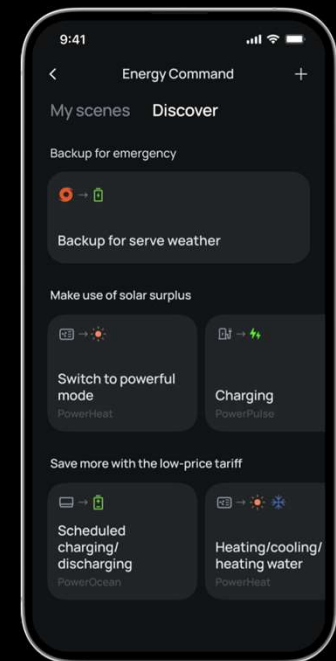
# Command Your Energy for Maximum Savings



Solar Energy Predictor



Dynamic Tariff Dashboard



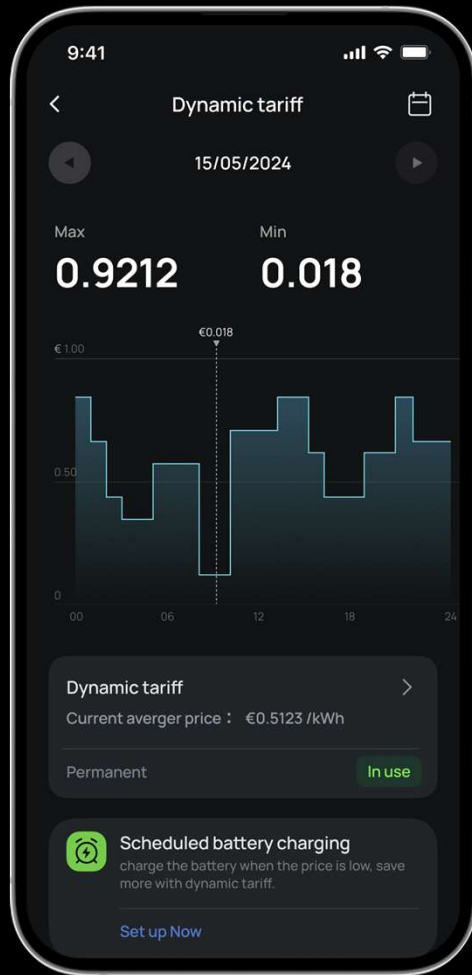
Energy Command





# Solar Energy Predictor

View and plan energy consumption based on forecast solar energy generation



# Dynamic Tariff Dashboard

Access real-time tariff data for better energy purchases



# Dynamic Tariff Dashboard

Data Collection & Prediction



Real-Time Analysis



Strategic Action



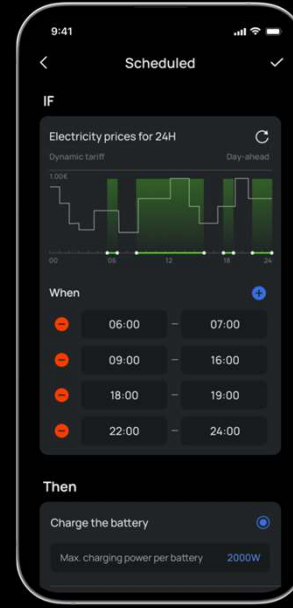
Desired Outcome



Dashboard collects real-time pricing data



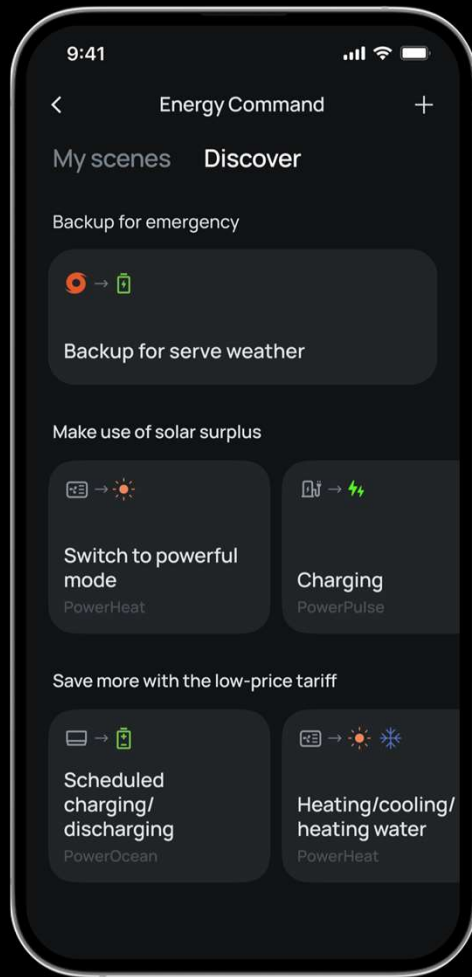
View 24-hour pricing trends



Strategically choose when to buy power from grid



Maximise bill savings



# Energy Command

Simplify energy management with custom automation



# EcoFlow App Energy Management

## Solar Energy Predictor

Plan and maximises solar usage

## Dynamic Tariff Dashboard

Maximises bill savings through optimal purchases

## Energy Command

Simplifies energy management with smart automation



EcoFlow Home Energy Ecosystem  
The Most Customisable Home Energy  
Ecosystem You Can Get



# EcoFlow Home Energy Ecosystem

**Solar Storage  
Solutions**

**Heating  
Solutions**

**EV Charging  
Solution**



# PowerOcean Solar Battery Series

The background of the image features a dark, textured surface with a grid of thin, parallel lines. In the lower right corner, a portion of a solar panel is visible, showing its characteristic rectangular shape and grid pattern. The overall aesthetic is modern and technological.





# PowerOcean DC Fit

Directly connect batteries with existing solar panels

No additional storage inverter

No replacement of the existing solar inverter

No change on the AC wiring

No on-grid permit is required



# PowerOcean Single-phase

Up to 6 kW integrated backup

Max. capacity 15 kWh

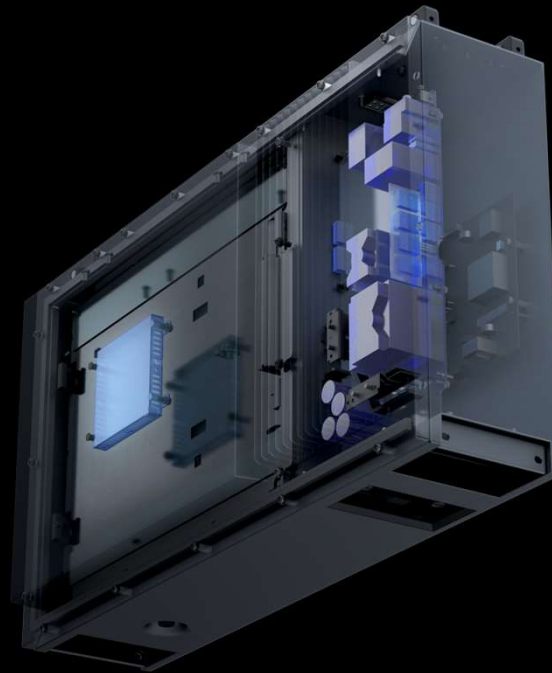
IP65-rated for Outdoor Installation friendly

Reliable After Sales Service and Support

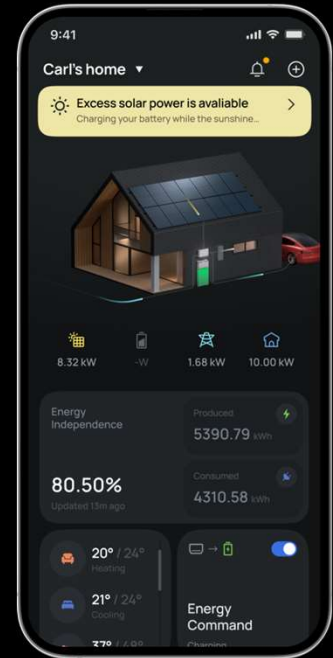




Plug-and-play Easy  
Installation



Next-level Battery  
Performance & Safety



Intuitive EcoFlow  
App

5<sub>kWh</sub>  
each pack

800  
high voltage

LFP  
battery

15  
year warranty

IP65  
weather proof





## LFP BATTERY

# Our Foundation. Your Peace of Mind.

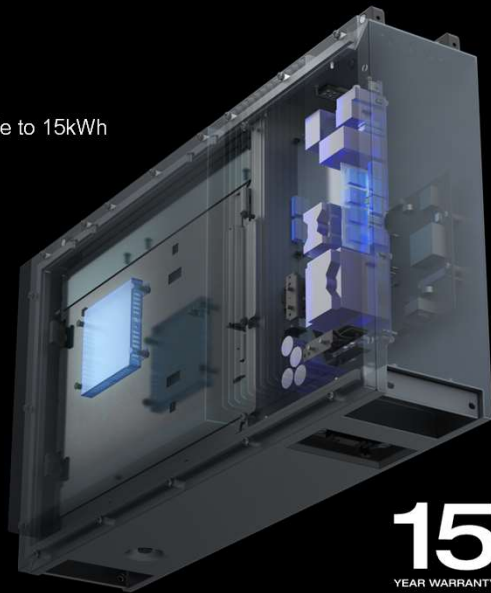
**5kWh** Each pack expandable to 15kWh

**6000+** Charge Cycles

**800V** Ultra-high voltage

**LFP** Battery

**IP65** Weather Proof

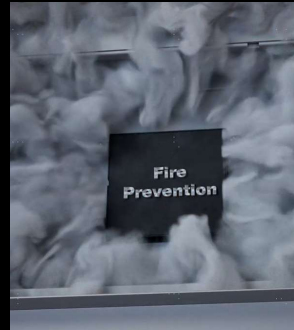


**15**  
YEAR WARRANTY  
ECOFLOW



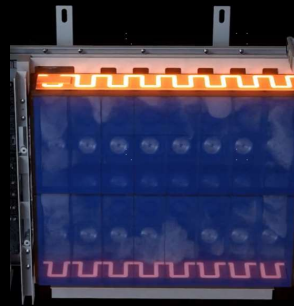
### Fully Integrated BMS in Every Battery Pack

- Parallel connections avoid the mutual influence of batteries.
- The new battery is perfectly compatible with the old one.



### Fire-extinguisher Module in Every Pack

- Actively detect battery temperature, and will be immediately activated when it reaches **170°C**.



### Smart Auto-heating module

- **Each pack** is equipped with heating modules to work smoothly in winter.



**Wiring-free, stack-up installation**  
Sleek Aluminium Unibody Design



### Installation Option

## Ready for Easy Outdoor Installation

Embrace the outdoors with confidence, PowerOcean is designed to meet the critical requirements of the newly established PAS 63100:2024 standards, ensuring the highest safety performance level. This compliance makes PowerOcean ideal for outdoor installations, giving you placement options without compromising safety or efficiency.



## What does PAS 63100:2024 mean to Installers & Homeowners

- Avoid installing inverters in lofts or other hard-to-access locations.
- Preferably, installations should be situated outdoors.
- Ensure fire safety considerations are addressed.
- Any potential issues should be handled in low-risk areas.





## How Does EcoFlow Meet These Standards

- **All units are IP65**
  - Allowing outdoor installations
- **Auto heating in each pack**
  - To maintain battery performance in the harshest conditions
- **Fire Suppression Built Into each pack**
  - Protection for homeowner as standard



SYSTEM DESIGN

# Wall-mount and Floor-mount Options Available

**15**  
YEAR WARRANTY  
EcoFlow



Wall Mount Bracket

Support up to 10kWh Battery Packs  
and a Hybrid Inverter



Floor Mount Stand

Support up to 15kWh Battery Packs  
and a Hybrid Inverter

# Single-phase 6kW backup power

Fast-switch before you even notice!



Microwave



Electric stove



Dishwasher



Washing machine



Freezer



Refrigerator



Computer



Router



Phone



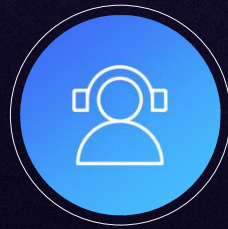
Lights



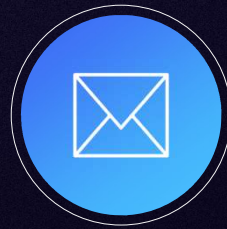
## Dedicated tech support team



12-hour hotline  
8:00am-8:00pm,  
5 days a week



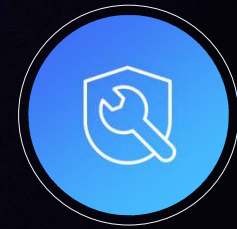
1-on-1 live chat  
through EcoFlow  
Pro App/Webportal



24-hour  
email reply



On-site service allowance  
for installation partners



Local  
repair center

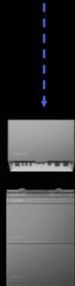




EcoFlow PowerOcean LFP Battery



PowerOcean  
Single-phase



PowerOcean  
Three-phase



PowerOcean  
DC Fit

## Unified Battery Pack Solution for PowerOcean Systems

### Streamlined SKUs

Reduce complexity with fewer SKUs to manage by combining battery packs with choice of PowerOcean inverter

### Simplified Maintenance

Minimise service overhead with swappable batteries across all PowerOcean system, thanks to advanced paralleled connection.

# EcoFlow Home Energy Ecosystem

Solar Storage  
Solutions

Heating  
Solutions

EV Charging  
Solution



# PowerHeat Heat Pump (coming soon)



## Up to 22kW Powerful Performance

Flexible solutions catering to different household needs

## Advanced Zone-by-zone Control

Zone-by-zone temperature controls that adjust in minutes to keep surrounding comfortable

## PowerOcean Efficient Energy Utilisation

Utilise solar energy stored in the PowerOcean system, converting it into heat for home use

**R290**  
Natural Refrigerant

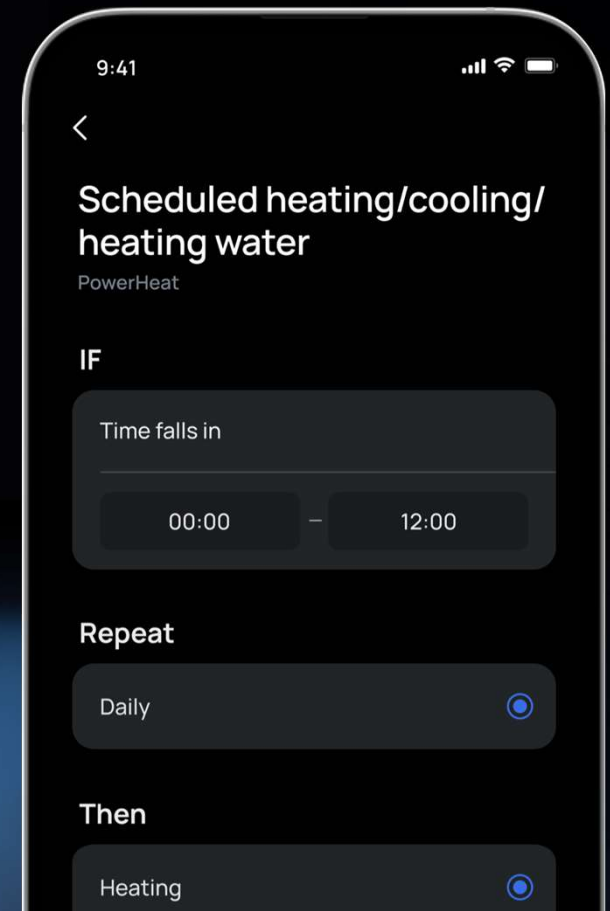
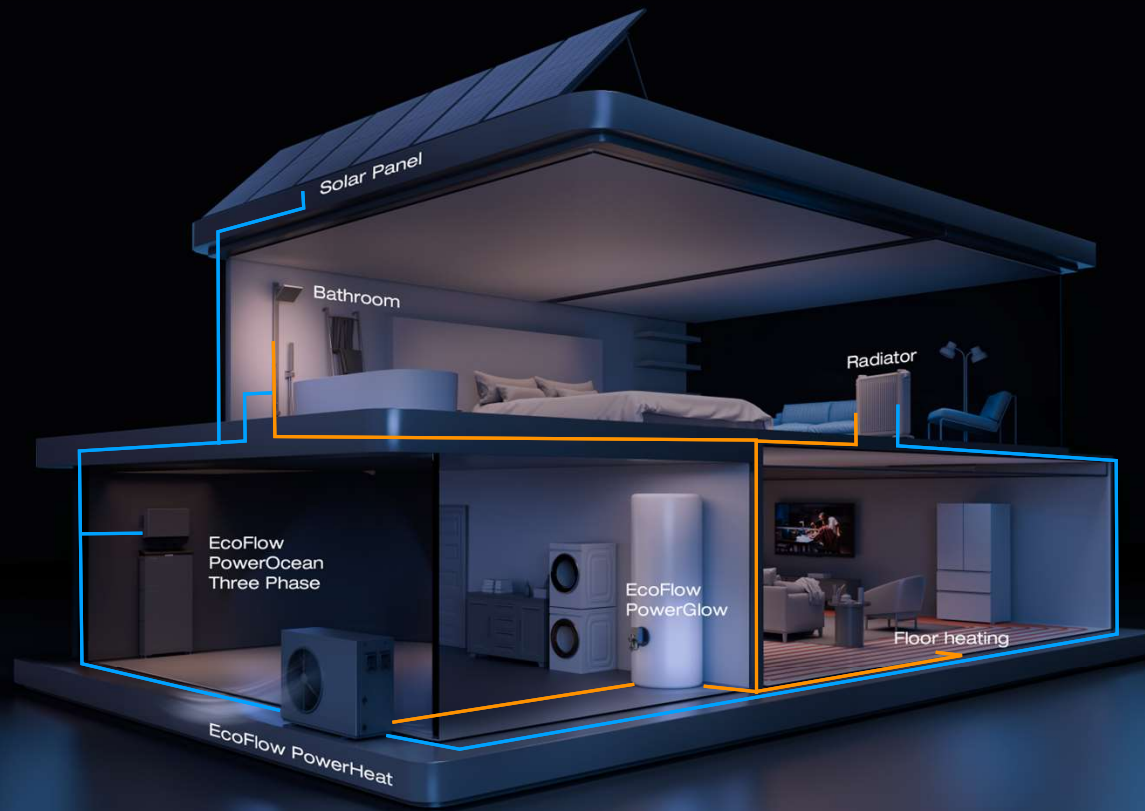
# Advanced Zone-by-zone Control





Energy Command

# Automate Your Heating Schedule





# PowerGlow Smart Immersion Heater (coming soon)

## Smart Water Heating

Utilising PowerOcean stored energy to ensure consistent supply of hot water while minimising energy costs.

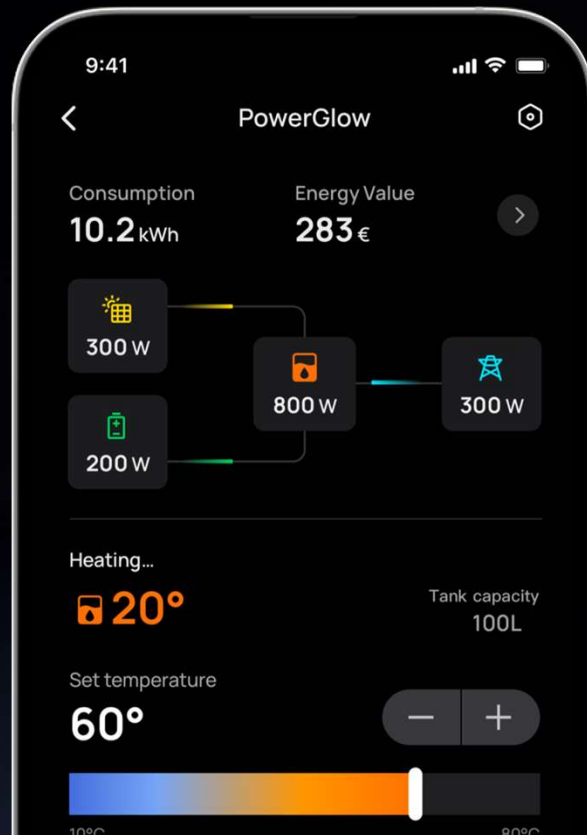
## Rapid Heating Performance

Advanced heating elements provide rapid heating, ensuring that hot water is available quickly

## Precise Temperature Control

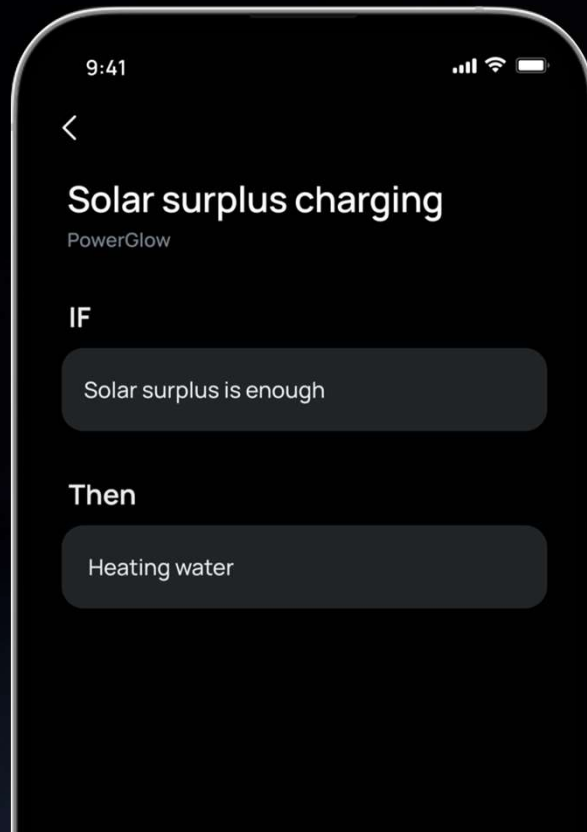
EcoFlow App features intuitive controls, allowing users to easily set and adjust the water temperature.

# Optimised Water Heating Control



Energy Command

# Utilise Surplus Solar Energy for Water Heating





# EcoFlow Home Energy Ecosystem

Solar Storage  
Solutions

Heating  
Solutions

EV Charging  
Solution





# PowerPulse EV Charger (coming soon)

## PowerOcean Charging Integration

Optimise charging process by leveraging solar energy and optimising the use of grid power.

## Smart EcoFlow App Control

Works with the EcoFlow app, providing users real-time data and control over the charging process

## Smaller than an A4 size paper




Small footprint allows for easy installation in various locations- from small garages to larger outdoor setups.

# Maximise Solar Energy with Solar Surplus Charging



Energy Command

# Automate Your EV Charging


9:41   


<

## Scheduled charging


PowerPulse


IF


Time falls in 

 08:30 — 11:30

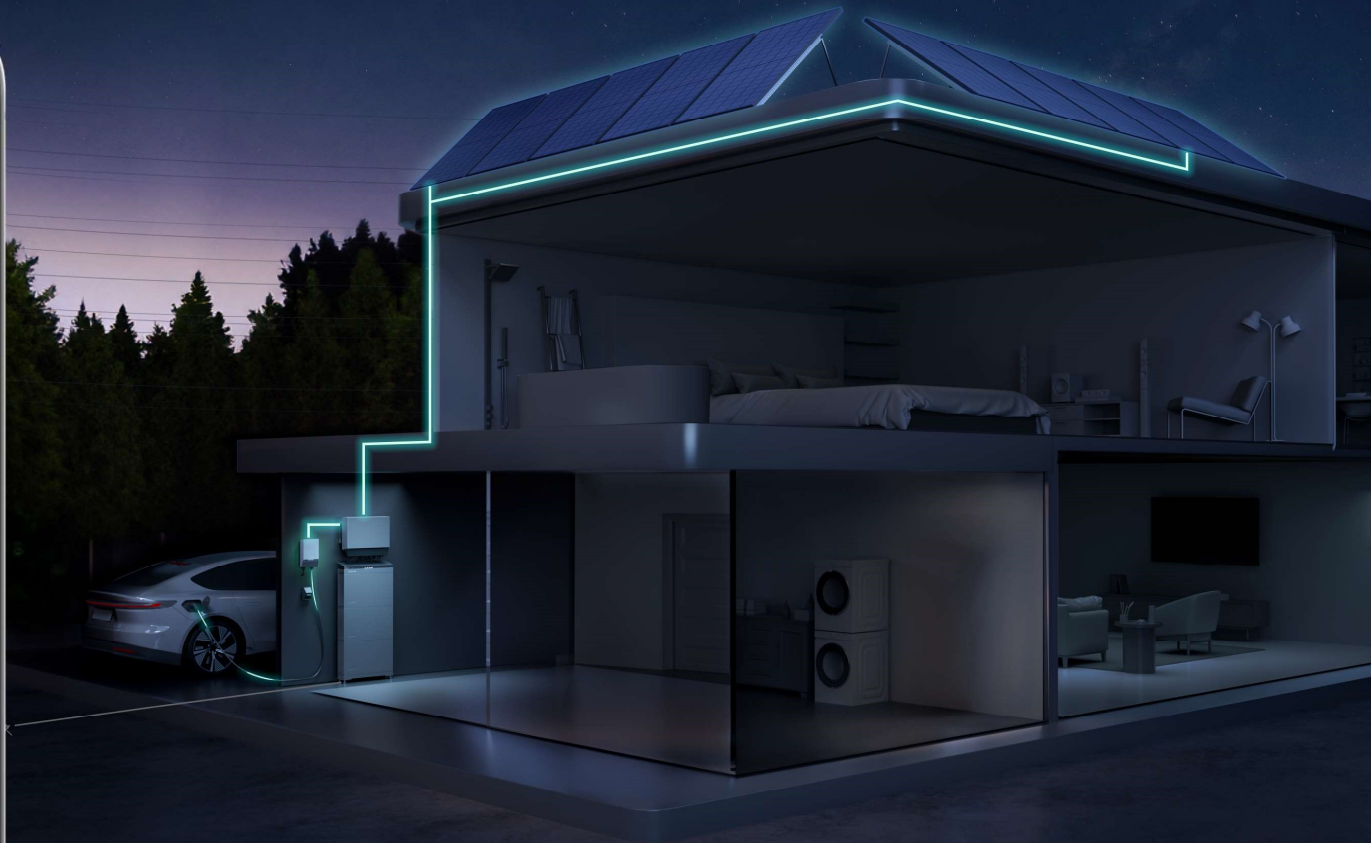
Repeat

Once 

Daily 

Weekly 

Then





EcoFlow Home Energy Ecosystem  
The Most Customisable Home Energy  
Ecosystem You Can Get



ECOFLOW