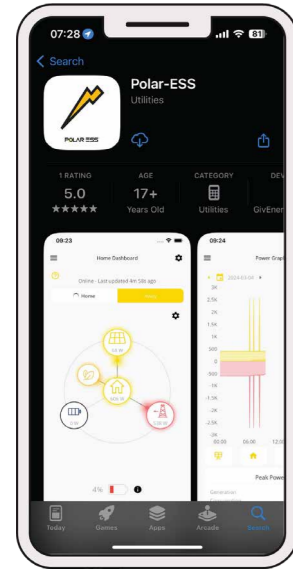# POLAR ESS®

APP GUIDE

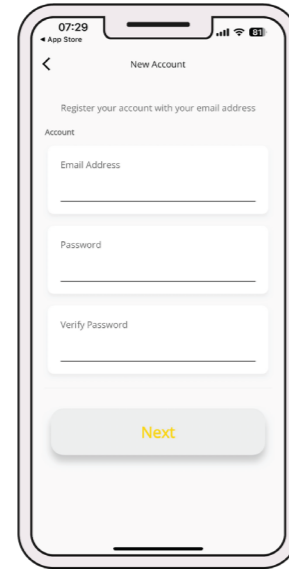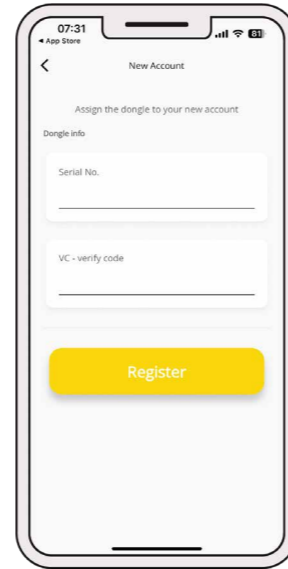# Getting Started

1. Download your app

First, download the Polar ESS smartphone app. You'll need this to manage and monitor your system remotely.
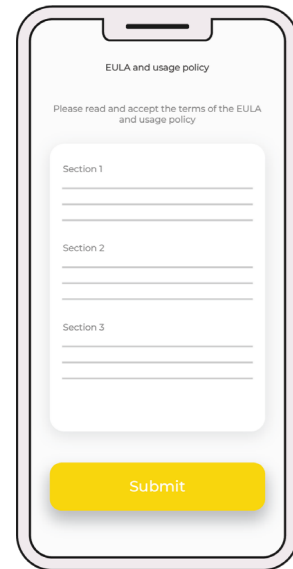
2. Create your account

Second, register an account on the app. Here, you'll provide us with your details and set up a username (your email) and password.
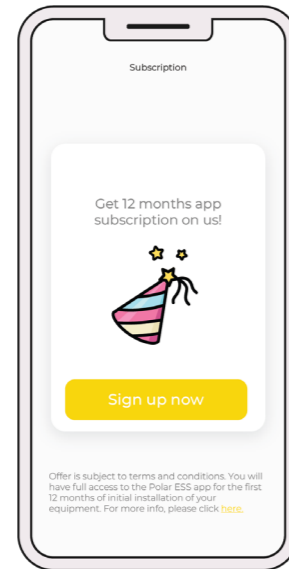
3. Connect your Wi-Fi dongle

Third, the app will ask you to assign the dongle to your new account. This will ensure your system data is being smoothly communicated between hardware and software.

4. EULA and usage policy

Next, there's the legal bit of going through the Polar ESS EULA (end user licence agreement) and usage policy.

5. Start your free, 12-month app trial

Once the app/dongle are set up and the system has ran its firmware checks, you'll be presented with a subscription screen to pop in your payment details. (No charge for 12 months – it's free on us!) Note that the app is only available once this trial subscription screen has been completed.

Managing your app subscription

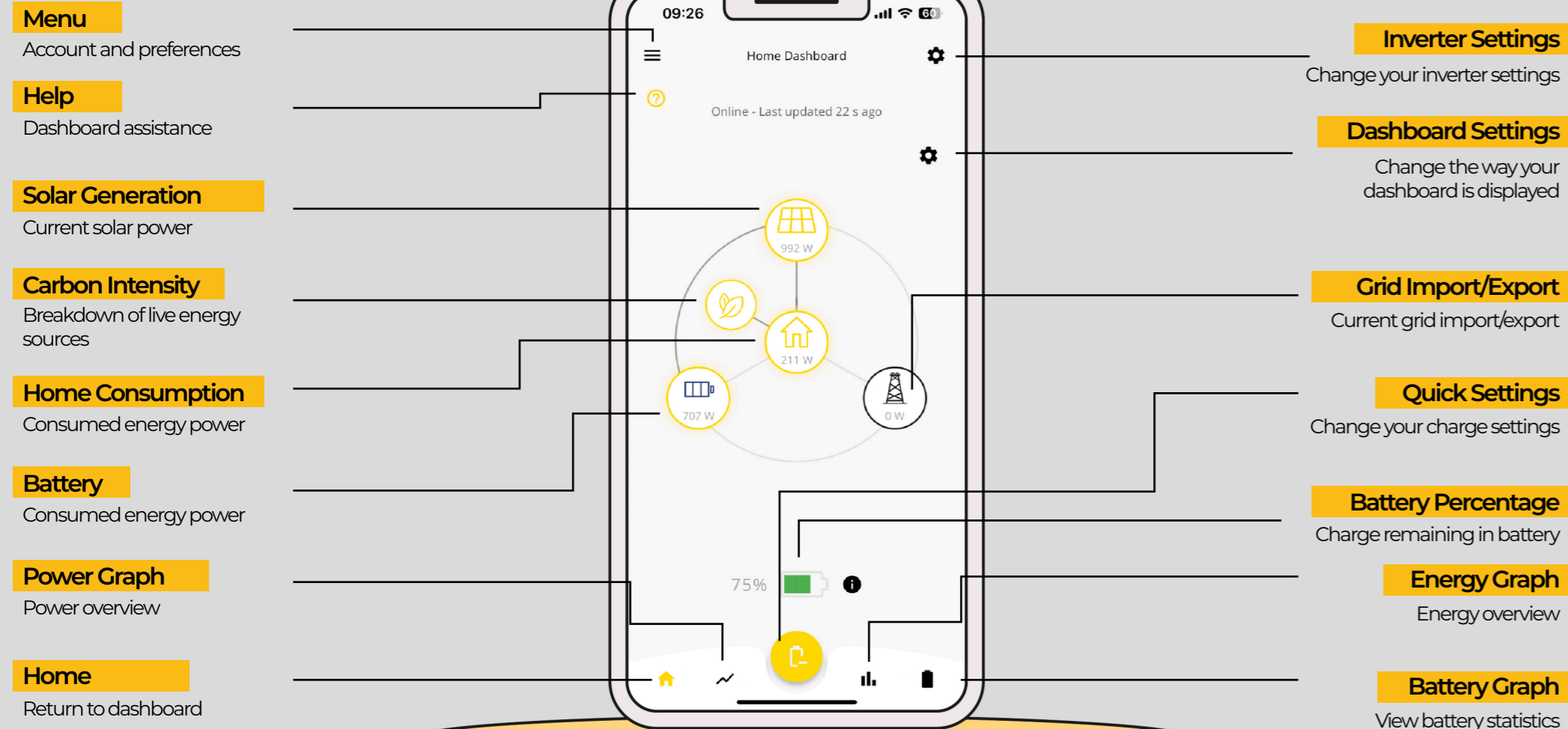The first 12 months of your Polar ESS app access are free.

After this introductory period, app access is billed from just £1.99*/month.

This is both optional and cancellable at any time. If you want to manage your system without subscribing to the app, you'll still be able to do so via the control panel on your inverter.
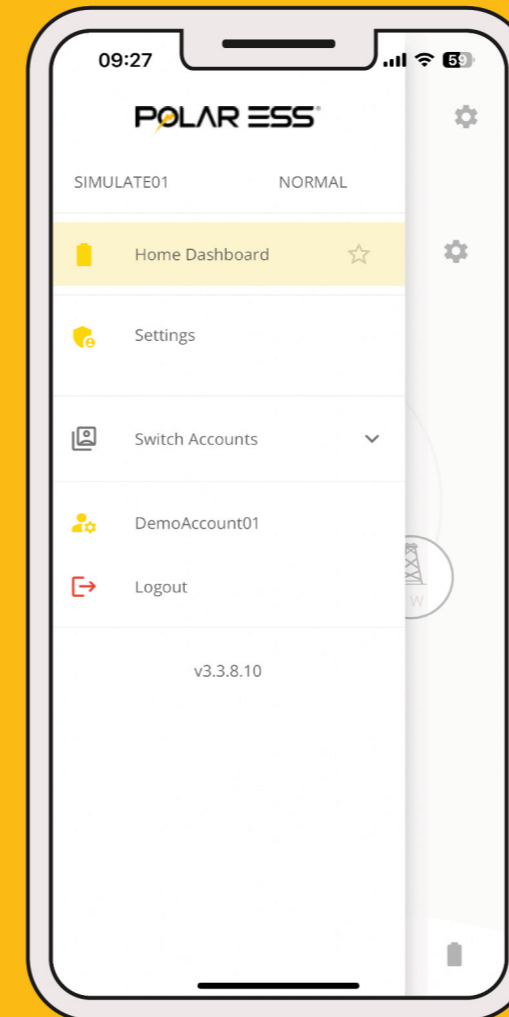
(*Subject to inflation.)

Your **Dashboard**

Menu
Account and preferences

Help
Dashboard assistance

Solar Generation
Current solar power

Carbon Intensity
Breakdown of live energy sources

Home Consumption
Consumed energy power

Battery
Consumed energy power

Power Graph
Power overview

Home
Return to dashboard

09:26
Home Dashboard
Online - Last updated 22 s ago
992 W
211 W
707 W
0 W
75%

Inverter Settings
Change your inverter settings

Dashboard Settings
Change the way your dashboard is displayed

Grid Import/Export
Current grid import/export

Quick Settings
Change your charge settings

Battery Percentage
Charge remaining in battery

Energy Graph
Energy overview

Battery Graph
View battery statistics

The **Menu**

09:27
POLAR ESS
SIMULATE01   NORMAL
Home Dashboard
Settings
Switch Accounts
DemoAccount01
Logout
v3.3.8.10

Home Dashboard
Access your home dashboard and gain insightful information into your consumption and savings

Settings
Manage your account, change preferences, setup a WiFi dongle and change your monitoring settings

Switch Accounts
Switch between your registered accounts that are linked to your device

Logout
Log out of your account. You will be taken back to the login screen

Power Graph

Date Selection
View historical data by date

Power Wattage
Breakdown of power consisting of solar, battery, grid, and home

Import Source
Toggle the graph view between solar, home, battery, and grid

Time Selection
Data can be viewed over 1, 3, 6, 12, or 24 hour time periods

Graph Data
A visualisation of your selected power source(s)

Power Values
Peak power values for daily, weekly, monthly, and yearly

Power Graph

View 24h

2024-04-09

3K
2.5K
2K
1.5K
1K
500
0
-500
-750

00:00   06:00   12:00   18:00   24:00

Peak Power

992 W
2631 W
707 W

Generation
Consumption
Battery Charge

Energy Graph

Home Consumption
Energy consumed from solar, battery, and grid

Battery Discharge
Battery discharge energy to the home and grid

Grid Export
Export energy from solar or battery

Consumption Overview
Energy breakdown and total values for daily, weekly, monthly, and yearly

Graph Data
Energy data can be displayed half hourly, daily, weekly, monthly, or yearly

Solar Energy
Shows how much solar energy has gone to the house, battery, or grid

Battery Charge
Battery charge energy from solar or grid

Grid Import
Imported energy from the home and battery

Energy Graph

View Daily

2024-04-09

0.100
0.080
0.060
0.040
0.020

00:00 02:30 05:30 08:30

Generation to Home
Grid to Home
Battery to Home
Total Consumption

2024-04-09

0.14 kWh
0.0 kWh
0.53 kWh
0.67 kWh

Battery Settings
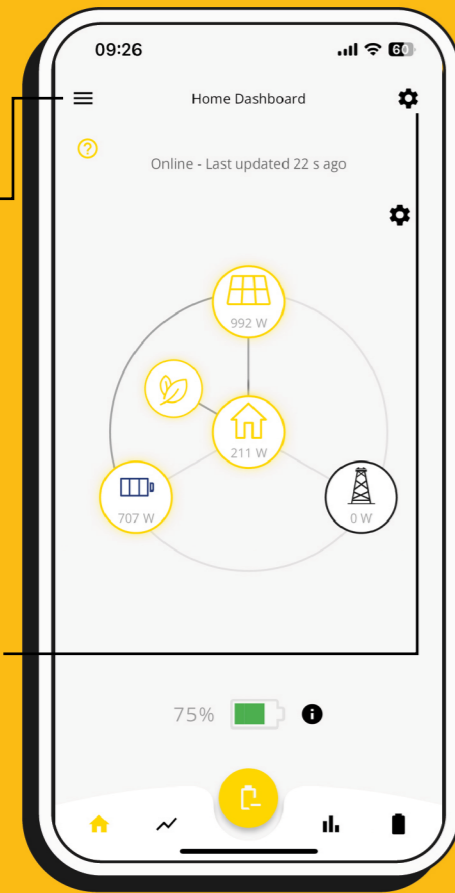
Enabling System Modes

From the dashboard, select the ☰ icon
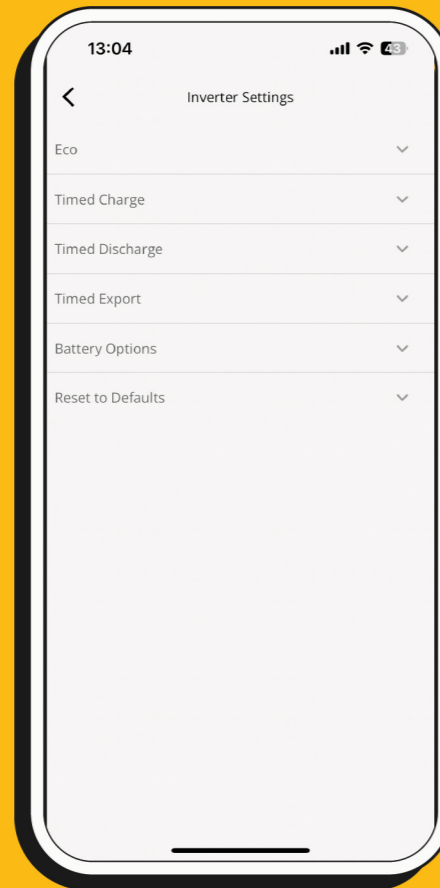
Select 'Settings' from the list

Select 'Preferences'

Under 'System Modes' section, toggle 'Show System Modes Button' to ON

The System Modes icon ⚙ will now be displayed in the top right corner of the dashboard
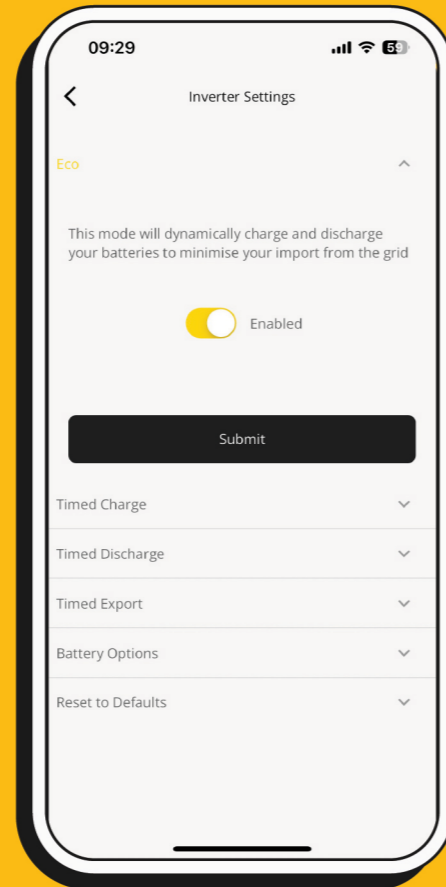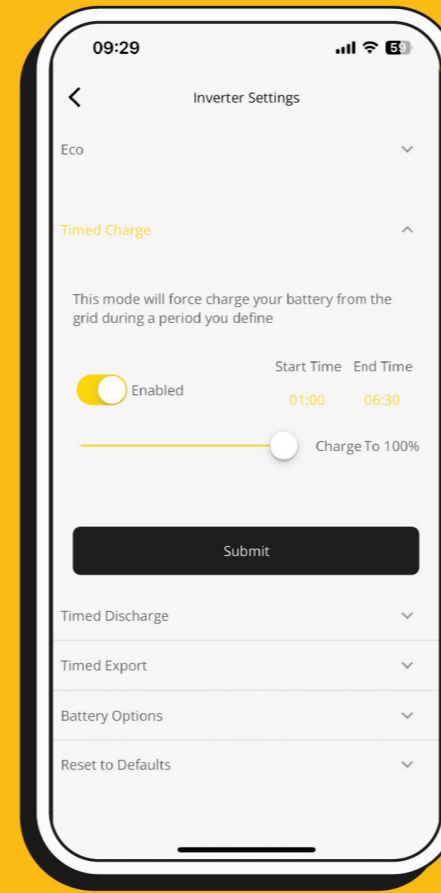
Inverter Settings menu

Eco Mode

Dynamically charges and discharges your batteries minimising import from the grid
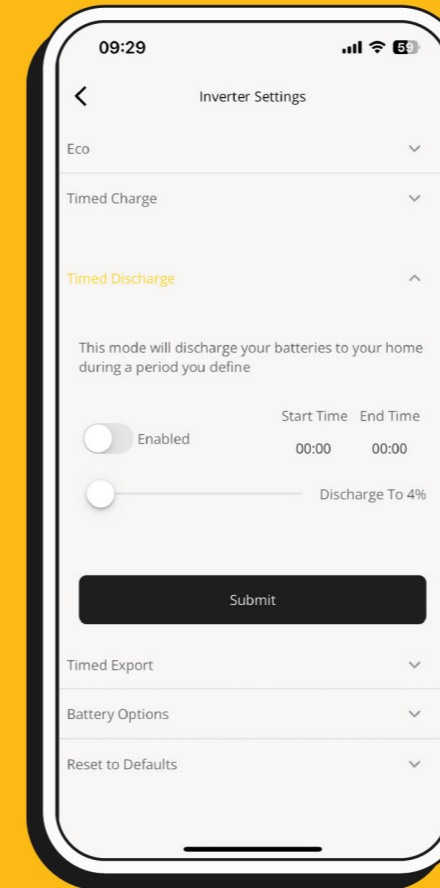
This mode will dynamically charge and discharge your batteries to minimise your import from the grid

Enabled

Submit

Timed Charge

Manually force charge y battery from the grid at a t your choosing

This mode will force charge your battery from the grid during a period you define

Start Time 01:00   End Time 06:30

Enabled

Charge To 100%

Submit

Timed Discharge

Manually discharge your battery to your home at a time of your choosing

This mode will discharge your batteries to your home during a period you define

Start Time 00:00   End Time 00:00

Enabled

Discharge To 4%

Submit

Timed Export

Stores battery power and discharges at full power at a time of your choosing

This mode will hold your battery power and discharge it at full power during a period you define

Start Time 00:00   End Time 00:00

Enabled

Discharge To 4%

Submit
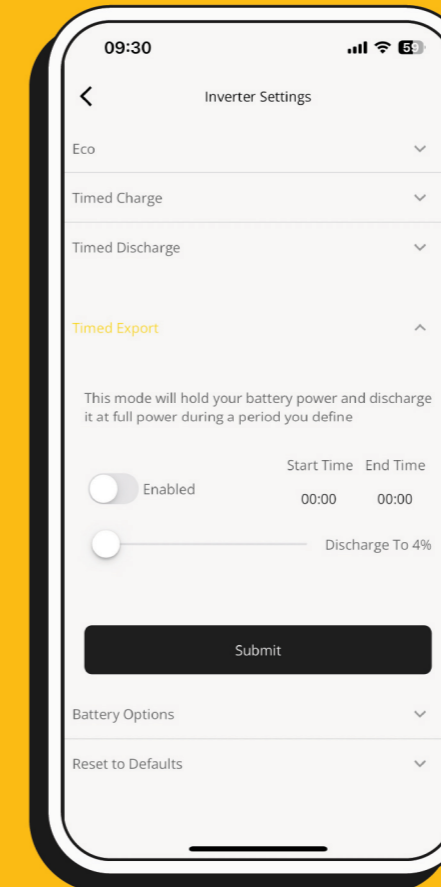
Operating Range

Set operating range, such as reserve percentage, charge and discharge power

Operating Range

Reserve 4%   Usable 96%

Charge Power 2600W

Discharge Power 0W

Submit
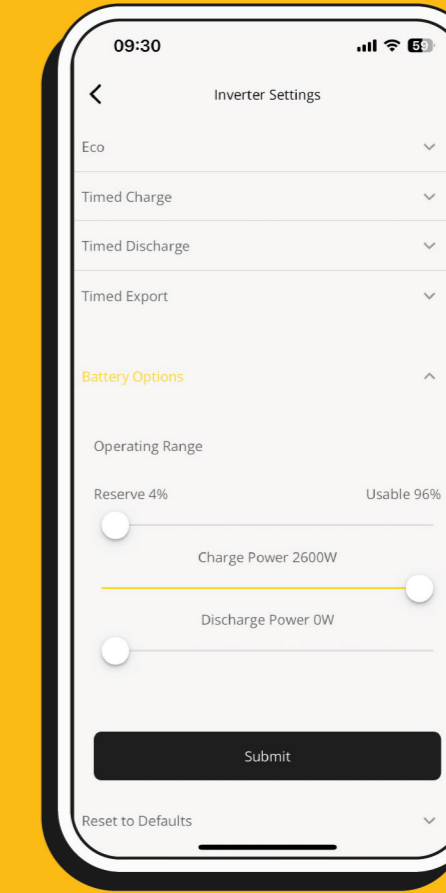
Reset to Default

Resets all battery settings back to their factory default settings

Reset all charge modes, timers and limits to their factory defaults.

Submit
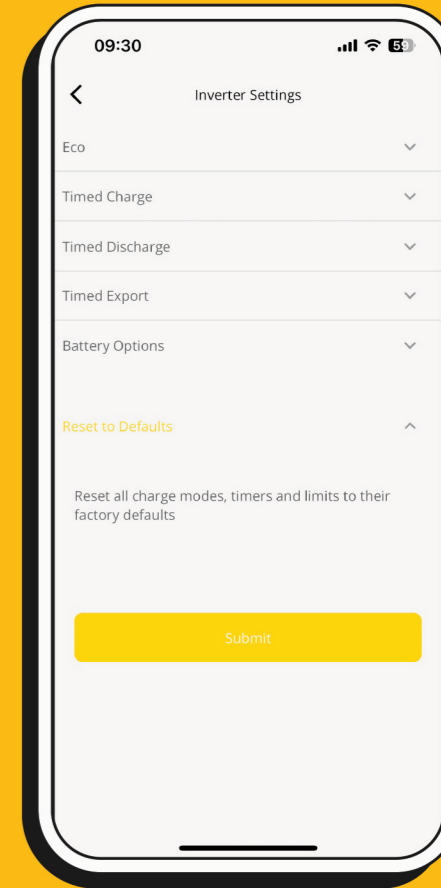
Consumption

Solar Generation

Provides a real-time breakdown of your generation, offering insights into how much energy you are producing at any given moment.

Grid Import & Export

Track your grid import and export status in real-time, monitoring the flow of electricity to and from the grid as it fluctuates throughout the day.

Battery Charge & Discharge

Stay informed about your battery's charge and discharge activities as they occur, allowing you to optimise energy usage and storage based on current demands.

Home Consumption

Monitor your homes energy consumption in real-time, gaining valuable insights into how much electricity your household is using at any given time.
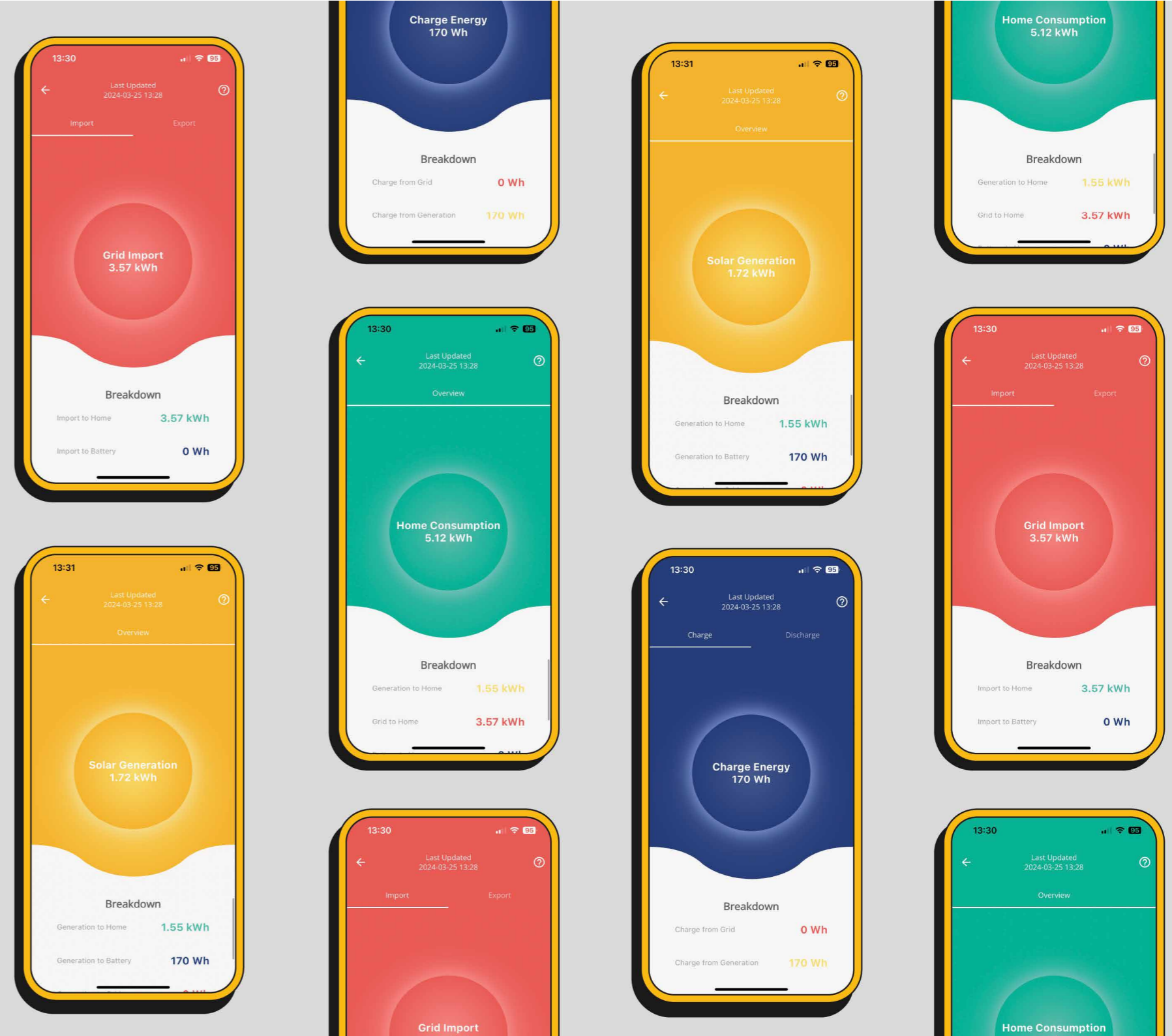
POLAR ESS®

The affordable energy storage people

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