

# PRODUCT BROCHURE

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# Introduction

## Join the clean energy revolution

Cut your costs with smart green energy solutions. With GivEnergy technology, you can power your home or business cheaply and sustainably.

When you use a product from the GivEnergy range, you're getting a premium energy management solution at an accessible price.



Our range includes:



### Inverters

The brains of your system, connecting any renewables, batteries, the grid, and the home



### Battery storage systems

Where your energy is stored, to discharge into the home and/or into your EV



### EV charger

An adaptive solution taking power from your preferred source – grid, renewable, or battery



### Energy management software

A powerful web portal plus supporting app to track and manage your energy usage



### A host of supporting accessories

Smart plugs, dongles, and more – all designed to complement your system

Together, these products create an **end-to-end ecosystem** for you to control your energy while **cutting your carbon emissions.**

## Run your home on battery power

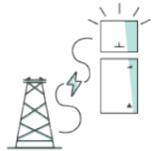
With a GivEnergy system, you can run your home on sustainable battery power. Charge your home battery using renewables or off-peak grid rates. Then, use the energy stored in your battery to cheaply and cleanly power your home.



Drastically reduce your energy bills



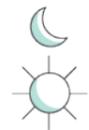
Cut your home's CO2 emissions



Protect your energy supply from disruption



Integrate with smart tariffs to continue cutting costs



Enjoy cheap energy day and night



Maximise your investment on renewables



Become more resilient, and less grid-dependent



Monitor and manage the flow of energy across your home



Set custom automations using our API

# Core Products

# The inverter range

## What is an inverter?

A GivEnergy inverter seamlessly connects your solar PV, storage battery, and home. It acts as the brain of your system. So, it will:

- Convert current from DC to AC
- Communicate between your various components and the grid
- Feed in data to your energy management software
- Maximise power output
- Optimally manage the flow of power

## Which inverter do you need?

Inverters come in two different types: our **AC coupled inverter**, and our **hybrid inverter**.

We recommend a different product depending on your project and existing setup.



### AC coupled

Best for:

- Homes with an existing solar setup
- Homes using a battery only – no renewables
- Homes using wind or hydro power



### Hybrid inverter

Best for:

- Homes using a battery only, considering renewables in future
- Homes starting a new solar project

# AC coupled inverter

Upgrade your renewable installation. An AC coupled inverter is perfect for adding energy storage capacity to an existing renewable installation – helping you maximise your investment.

### Versatile

Works with retrofits, new solar projects, and standalone batteries alike.

### Co-operative

No changes required to either your solar panels or any Feed in Tariffs.

### Scalable

Expand your setup as needed. You can even support a microgrid or 3-phase system.

### Smart

Your system knows when to store and release energy for the best rates and returns.

### Fine-crafted

Compact, lightweight, stylish, and able to live indoors or outdoors.

### Clean

Your system is designed to minimise energy import and export for grid-neutrality.

## Technical specifications



### AC coupled

- 3000W nominal AC output power
- 13A max. output current
- IP65 rating
- Dimensions 223D x 260H x 480W (mm)
- 12 year warranty





# Hybrid inverter

Just setting out on your renewable energy journey? A **hybrid inverter** will help you get the most from your system – for maximum energy **efficiency**, and maximum **savings**.

### Affordable

We make clean energy accessible to all. Get a premium inverter, for a great price.

### Robust

With water and dust resistance, our hybrid inverter is built to withstand the weather.

### Sleek

Electronic equipment needn't look ugly. Enjoy sleek, compact design.

### Efficient

Meet the energy needs of the modern home, with discharge rates of up to 11kW.

### Safe

Your hybrid inverter offers every protection to keep your home safe.

### Connected

In-built WiFi and LAN give you a hard-wired network connection.

## Technical specifications



### Our single-phase hybrid inverter range

Perfect for the typical household where loads mainly comprise lighting, heating, etc.

#### 3.6kW

7.5kWp max. DC power  
3600W nominal AC output power  
IP65 rating  
Dimensions 410H x 210D x 480W (mm)

#### 5.0kW

7.5kWp max. DC power  
5000W nominal AC output power  
IP65 rating  
Dimensions 588H x 214D x 480W (mm)



### Our three-phase hybrid inverter range

Perfect for buildings that need more power to run machines, motors, etc.

#### 6kW

9kWp max. DC power  
6000W nominal AC output power  
IP65 rating  
Dimensions 658H x 214D x 480W (mm)

#### 8kW

12kWp max. DC power  
8000W nominal AC output power  
IP65 rating  
Dimensions 658H x 214D x 480W (mm)

#### 10kW

15kWp max. DC power  
10000W nominal AC output power  
IP65 rating  
Dimensions 658H x 214D x 480W (mm)

#### 11kW

15kWp max. DC power  
11000W nominal AC output power  
IP65 rating  
Dimensions 658H x 214D x 480W (mm)

**Please note:** all stats represent the latest generation of our products. To view stats for older generations, please visit our website.

# The battery range

## What is a home battery?

A home battery stores up a supply of clean, usable energy for your home. It can take power from a generation source – such as solar, wind, or hydro – or from the grid using off-peak overnight tariffs. In the process, it allows you to save up to 85% on your energy bills.

## Our battery storage technology

### Powerful

Your battery is made of high-capacity, energy-dense cells.

### Safe

LiFePO4 technology makes our batteries the safest available.

### Sustainable

Fully recyclable, non-flammable, and non-toxic.

### Heavy-duty

Up to 100% depth of discharge unlocks the battery's full capacity.

### Lasting

Tough enough to power unlimited cycles over 12 years.



### Durable

Designed for minimal heat build-up, maximum longevity.

### Efficient

Prismatic – not soft pouch – cells deliver ultimate efficiency.

### Ethical

Ethically sourced and cobalt-free.

### Economical

Round trip efficiency of 93% means superior energy retention.

### Sophisticated

Individual monitoring and balancing of each and every cell.

## Which home battery do you need?

Our home batteries come with multiple power capacities, to meet the needs of any customer. Your installer will be able to recommend the product you need after chatting more about your property and your energy-saving goals.



### Giv-Bat 2.6

The perfect starter battery for small homes.

- 2.6kWh / 51Ah capacity
- 80% depth of discharge
- IP65 rating
- Dimensions 299H x 205D x 480W (mm)
- 12 year warranty



### Giv-Bat 5.2

A compact battery with increased power.

- 5.2 kWh / 102 Ah capacity
- 80% depth of discharge
- IP65 rating
- Dimensions 515H X 223D x 480W (mm)
- 12 year warranty



### Giv-Bat 8.2

A powerful battery boasting 100% DoD.

- 8.2 kWh / 160 Ah capacity
- 100% depth of discharge
- IP65 rating
- Dimensions 669H X 223D x 480W (mm)
- 12 year warranty



### Giv-Bat 9.5

Our most powerful single home battery, with 100% DoD.

- 9.5 kWh / 186 Ah capacity
- 100% depth of discharge
- IP65 rating
- Dimensions 800H X 242D x 480W (mm)
- 12 year warranty



### All in One

A battery and inverter in one integrated product.

- 6000W nominal AC output power
- 7.2kW @ 10s, 6.5kW @ 30s peak power
- IP65 rating
- Dimensions 1100H x 600W x 280D (mm)
- 12 year warranty



### Stackable battery

Create the desired power capacity with a stacked setup.

- 3.4kWh per battery pack
- 10.2kWh - 20.4kWh per stack
- 3-6 batteries can be used per stack
- IP65 rating
- 12 year warranty

## All in One

Our ground-breaking battery and inverter technologies, combined in one integrated product

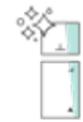
## Giv-Gateway

A companion backup gateway to protect your supply and keep you running during power cuts



# All in One

Power your home for a fraction of the cost. Introducing the ultimate in smart energy management: the All-in-One.



## Sleek

Your product is sleek, compact, and easy to install.



## Powerful

Provides enough power to run even the most high demand devices.



## Affordable

High quality performance, at an accessible price point.

## Technical specifications



### All in One 3.6

The might of the All in One, held in check. The AIO 3.6 is a G98 certified version of the product limited to 3.6kW on-grid. This means it can be installed without prior permission from the DNO, or in areas where there are grid limitations.

- 13.5kWh battery capacity
- 3.6kW peak power on-grid, 6.0kW off-grid
- IP65 rating
- Dimensions 1100H x 280D x 600W (mm)
- 12 year warranty

### All in One 6.0

A 13.5kWh LiFePO4 battery and an AC coupled inverter combined in one integrated system.

- 6000W nominal AC output power
- 7.2kW @ 10s, 6.5kW @ 30s peak power
- IP65 rating
- Dimensions 1100H x 280D x 600W (mm)
- 12 year warranty

### Giv-Gateway

A companion gateway enabling seamless switching between grid and battery, keeping you powered during outages. The Giv-Gateway also facilitates a connection point for solar PV systems, allowing continued energy generation even without a grid supply.

- 18400W nominal AC power
- Grid services ready
- Pre-installed energy meter
- 20ms switchover time
- Dimensions 410H x 370W x 190D (mm)
- 12 year warranty

# EV charger

## An EV charger that ticks all the boxes

### Compact

Sleek, compact design to allow for installation in tight spaces.

### Durable

Tough enough to live indoors or outdoors – rain or shine.

### Future-proofed

Primed to charge from renewables, and compatible with most EVs.

### Effortless

Quick, easy installation plus rapid plug-and-go charging.

### Smart

WiFi integrated, app-controlled, and data-rich.

### Accessible

Affordably priced, to make clean electric charging accessible to all.



## The EV charger with safety built-in



### Protected

Integrated PEN fault protection – no earthing rod required.



### Access-controlled

Use an RFID card to prevent unauthorised access to your EV charger.



### Safe

Safety features such as over-current, over-voltage, and short-circuit protection.

## Technical specifications



### EV charger

- 7kW / 32A AC power output rating
- 5m charging cable length
- IP65 rating
- Dimensions 288H x 260W x 112D (mm)
- Plug and play
- App controlled
- Solar diversion

# Complementary Products

## PV Protect

Ensure safety for your solar PV system – even in the event of emergencies. With the GivEnergy PV protect, you can de-energise your solar array at the touch of a button.

The GivEnergy PV Protect acts as a “fireman’s switch”. So, it quickly disconnects power from your solar array in an emergency.

Without this fireman’s switch, DC voltages can remain active on solar panels in the event of a fire. This active DC current makes it unsafe for firefighters to begin saving the building. So, your PV Protect isolates DC energy. And, in turn, it allows emergency services to act without risk of electric shock.



## Technical specifications

### PV Protect

- 800VDC/MPPT DC input max. voltage
- 230Vac 50 Hz single phase AC working voltage
- Safety device
- Dimensions 200H x 310W x 93.5D (mm)
- 5 year warranty



Increase the safety of homes and workplace buildings



Decrease the risk of danger in the event of a fire



Add a safety feature for the emergency services



Isolate the building's energy supply



Comply with regulations and meet grant requirements



Enable a building save during emergencies

## Smart plug

Control your home appliances from anywhere, at any time. The GivEnergy smart plug will allow you to easily manage your devices – whether they're smart or not.

### Manage your home electricals with the tap of an app

When plugged into a GivEnergy smart plug, your electrical devices can then become app-connected. In turn, they can become trackable, remotely manageable, and integrated with your smart home.

So, you get a 'full picture' view of your various electricals – all centrally controlled from a single screen.

## Features

- Turn your devices on and off as needed
- Lower your electricity bills
- Reduce unnecessary energy loss
- Create convenient 'control zones'
- React to other smart devices
- Return to a well-lit home
- Set schedules and timers to manage devices
- Control your smart plug through voice commands
- Analyse device power usage
- Expand your smart home network
- Make it look like you're home when you're away
- Check devices remotely

## Technical specifications



### Smart plug

- 230V AC 50Hz-60Hz input voltage
- WiFi remote control
- App controlled
- Load breakdown
- Dimensions 57H x 60W x 57D (mm)

# Electrical Accessories

## Inverter dongles



### WiFi

Connect your devices to the internet for seamless interaction with each other. Update your firmware over-the-air effortlessly.



### 4G

Our SIM-enabled dongles allow connection using 4G, 3G, and GPRS. Suitable for social housing providers or where WiFi isn't available.

Using a GivEnergy inverter without WiFi built-in? In this case, our dongles are supplied as part of our standard packages. They give your devices internet access, for smart integration and data sharing.

- Digital monitoring through app and portal
- IP65 rated
- Easy configuration before install
- Real-time monitoring when used with the app
- Monitoring points every 5 minutes
- Built-in flash memory
- Flexible data allowances available



## Meters

Our metering solutions are another standard inclusion in your GivEnergy package. They collect data to display energy values and provide monitoring points for our system.



### GEM120CT

- Bi-directional energy measurement
- Direct/split CT connection
- LCD display with clear backlight
- MID approved meter
- Accuracy class 1 according to IEC62053-21
- EEPROM memory
- Added together to monitor various loads in the home
- 100A maximum current on single phase operation

## DC Isolator

A DC isolator switch comes rolled in as a standard part of your GivEnergy system. This is an electrical safety device to protect your system.

- Double pole breaker
- Load protection
- Overload protection
- Nominal volts at 80V and 100A current rating
- Provides scientific arc extinguishing and flash barrier technology to give safe current interruption



Software

# Digital tools to continually drive savings

Buying a GivEnergy solution? Alongside our best-in-class technology, we also offer best-in-class software.

## GivEnergy portal

Our monitoring portal allows you to remotely manage your system via a clean, easy-to-use interface. You get complete control, up-to-the-minute visibility, and granular data insights.

## GivEnergy app

A lighter-weight companion to our powerful monitoring portal, the GivEnergy app is built for quick, easy access to your system on the move.

## Works with your...

### Inverter

Get power stats and explore how much energy is going in and out of the home.

### Generation source

Keep tabs on the energy generated from solar, wind, or hydro.

### Smart tariff

Built to work perfectly with smart tariffs and off-peak tariffs.

### EV charger

Manage your charge point and display the latest information about your EV.

### Home

Visibility on the overall energy consumption of your home.

### Electrical appliances

Connect appliances to GivEnergy smart plugs for usage data and remote control.

### Home battery

Monitor state of charge, battery health, and throughput.

### Alexa

Ask Alexa for power updates and tell her to turn app-connected devices on/off.

### Grid usage

Track how much energy you're importing and exporting via the grid.



# GivEnergy portal

Exercise full control over your energy usage. The GivEnergy portal makes energy management easy — allowing you to monitor, manage, and analyse your system in the cloud.

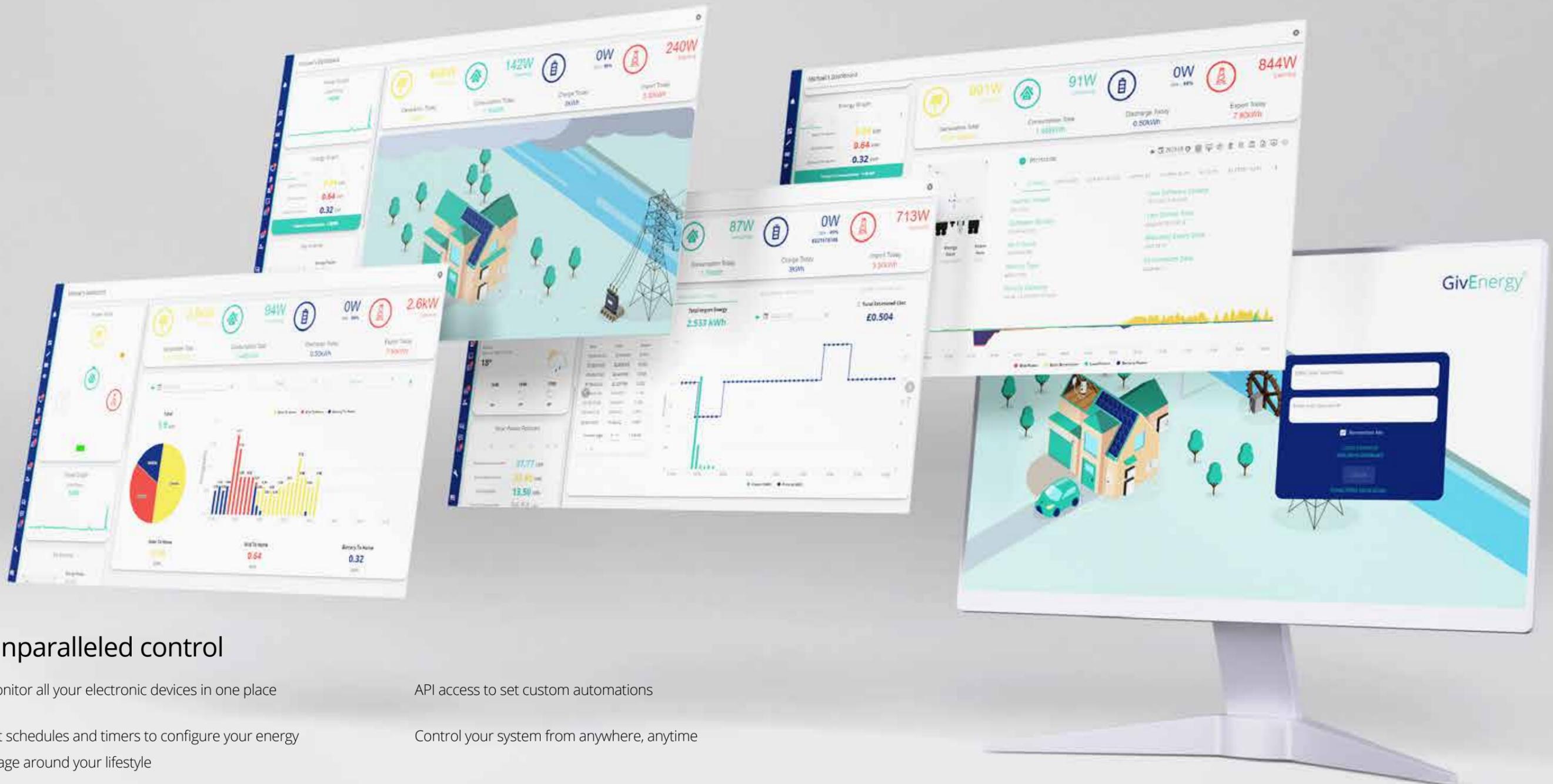
## Unparalleled data access

Customisable dashboard unique to you and your setup

Easy to use, remotely updated, and free forever

Quick information and detailed power values alike

Graphs displaying your power usage and energy usage



## Unparalleled control

Monitor all your electronic devices in one place

Set schedules and timers to configure your energy usage around your lifestyle

API access to set custom automations

Control your system from anywhere, anytime

# GivEnergy app

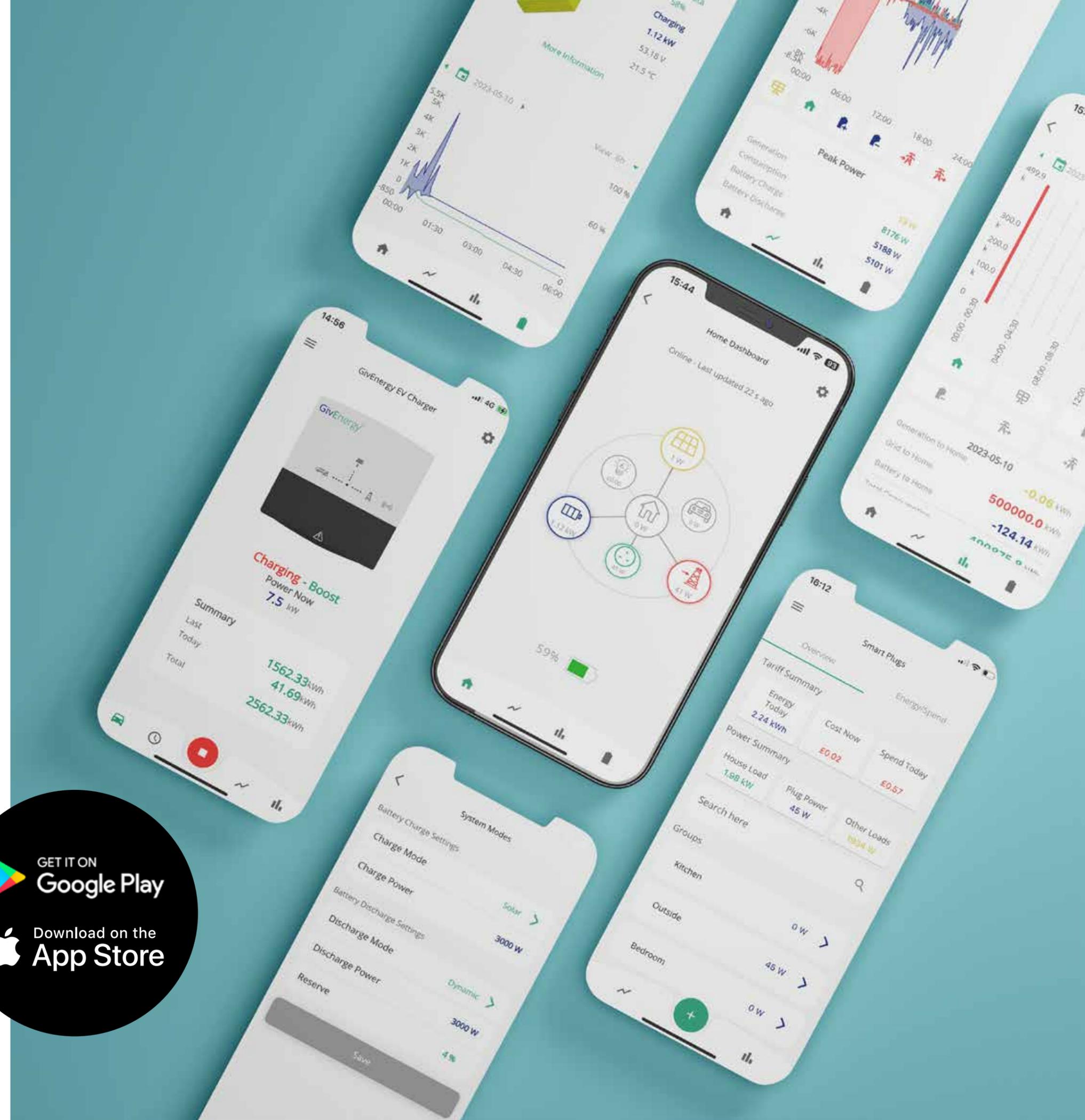
Exercise full control over your energy usage. The GivEnergy portal makes energy management easy — allowing you to monitor, manage, and analyse your system in the cloud.

## Your power, in your hands

- Grab basic information about your home energy demand, solar PV generation, and grid import energy
- Perform simple actions based on where the day is taking you
- Continually save and optimise

## Download for free

- Download from Google Play or the App Store
- Moves with you – whether you're using your Android smartphone, iPhone, or Apple Watch
- Updated by a dedicated UK development team on a bi-monthly basis – to continually improve your experience



About Us

# Who are we?

GivEnergy is the largest British owned manufacturer of residential and commercial battery storage systems. Our services allow customers to take control of – and save money on – their energy spend end-to-end.

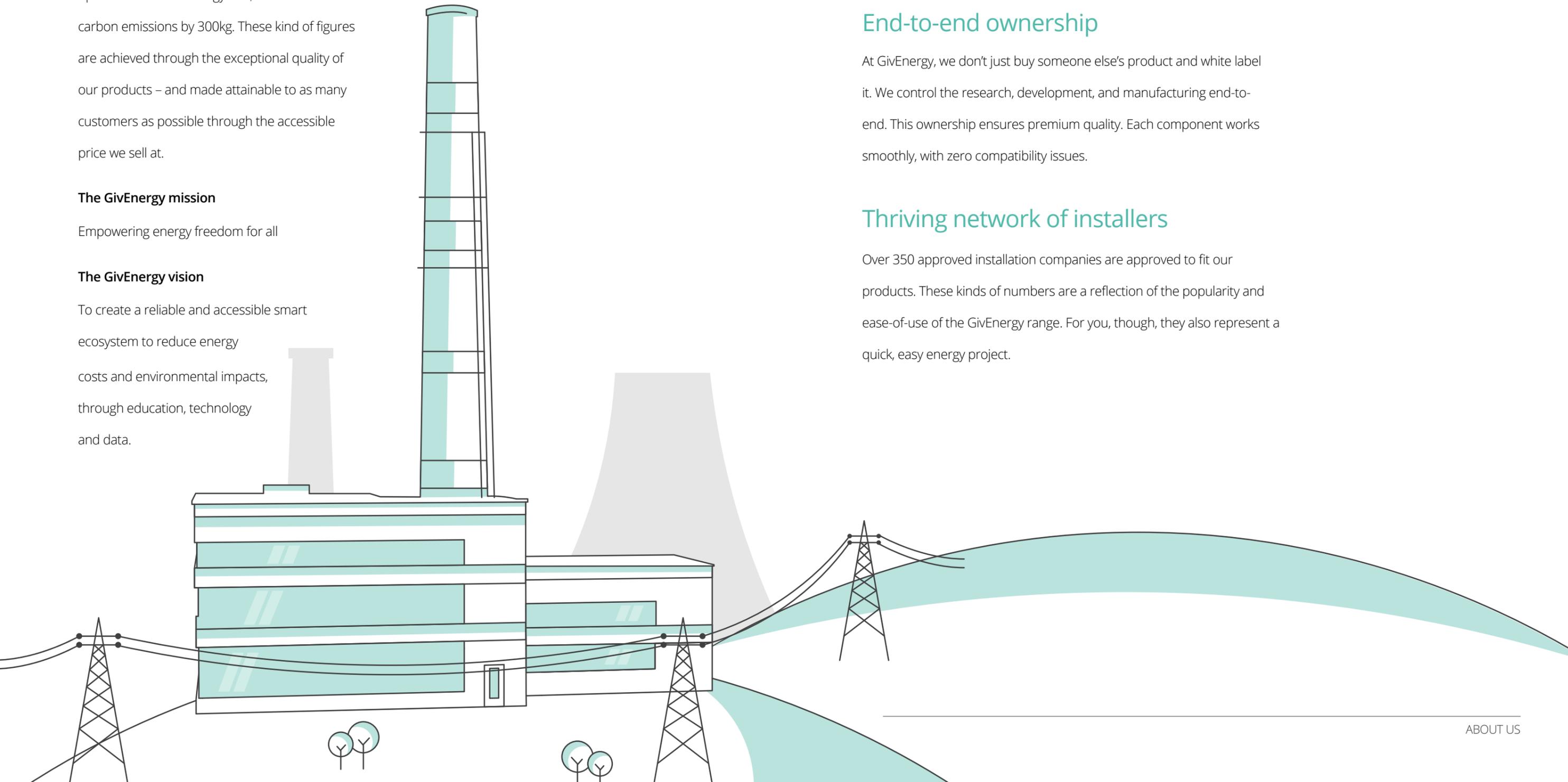
Each year, the average GivEnergy customer saves up to 85% on their energy bills, and reduces their carbon emissions by 300kg. These kind of figures are achieved through the exceptional quality of our products – and made attainable to as many customers as possible through the accessible price we sell at.

## The GivEnergy mission

Empowering energy freedom for all

## The GivEnergy vision

To create a reliable and accessible smart ecosystem to reduce energy costs and environmental impacts, through education, technology and data.



# Why work with us?

## Expert, friendly support

If you need help, we've got you covered. Our technicians are only ever a call away, and we have field engineers primed to step in as needed. So, you're working with a UK company that's with you every step of the way.

## End-to-end ownership

At GivEnergy, we don't just buy someone else's product and white label it. We control the research, development, and manufacturing end-to-end. This ownership ensures premium quality. Each component works smoothly, with zero compatibility issues.

## Thriving network of installers

Over 350 approved installation companies are approved to fit our products. These kinds of numbers are a reflection of the popularity and ease-of-use of the GivEnergy range. For you, though, they also represent a quick, easy energy project.



## Commercial

Looking for commercial battery storage? As well as our range of home energy solutions, we also offer commercial solutions from 64kWh to grid scale multi MWh.

For **more information** or to get a **quote**, email our UK team via [commercial@givenergy.co.uk](mailto:commercial@givenergy.co.uk).



## What our customers are saying



“

Combined with the smart meter, Octopus provider and the apps, it works great. Seeing big savings already on the bills.

**C. Robinson**

“

I looked at other manufacturers but GivEnergy ticked more boxes than any of them. My system has been pretty much faultless since installation.

**J. Eden-Green**



“

My install has been faultless. I wouldn't hesitate to choose GivEnergy again and would recommend them.

**M. Dews**





**Work with the best in the energy management business**

**GivEnergy HQ**

Osprey House, Brymbo Rd  
Newcastle  
ST5 9HX

**GivEnergy UK Distribution Centre**

Newspaper House, Chemical Lane  
Stoke-on-Trent  
ST6 4QZ

[www.givenergy.co.uk](http://www.givenergy.co.uk)

01377 252 874

