

WE STOCK

GivEnergy<sup>®</sup>  
PRODUCTS



**SOLAR PANELS**  
**HEAT PUMPS**  
**BATTERIES**  
**EV CHARGERS**  
**BIRD-PROOFING**  
**& MORE**



At FEC Renewables, we understand that your energy needs are unique, and that's why we provide tailored renewable energy solutions that work specifically for you and lifestyle.

# ARE SOLAR PANELS WORTH THE INVESTMENT?

The average UK household consumes 3500kWh of electricity each year.

REDUCE YOUR ELECTRICITY BILL BY

**70%**

\*avg saving

SAVE UP TO A HUGE

**£875**

PER YEAR

AVERAGE ROI PERIOD

**8-10**

YEARS

Save hundreds of pounds a year for 20+ years  
Invest in a greener and cheaper tomorrow!

# Why choose us?

**WE ARE YOUR TRUSTED  
LOCAL INSTALLER**



As a leading solar panel installer, we have the expertise, experience and resources to design, install and maintain top-quality solar panels that are guaranteed to meet your energy needs and save you money.

**10** YEARS EXPERIENCE

**MCS** REGISTERED

**★** EXCELLENT REVIEWS

**FEC RENEWABLES LTD**

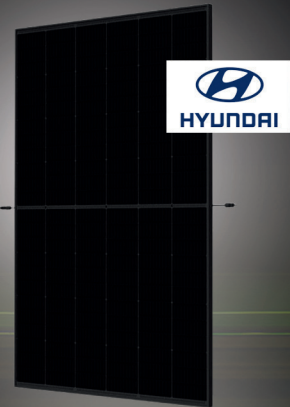
# SOLAR PANELS

## Hyundai 410w Total Black DG Panel

G12 PERC Shingled Technology provides ultra-high efficiency with better performance in low irradiation. Maximises installation capacity in limited space.



25 year product warranty  
25 year performance warranty



## Trina Vertex S+ 425w Black Panel

With a Dual-glass design, the S+ offers high reliability to harsh conditions and better light trapping for high power outage.



25 year product warranty  
30 year power warranty

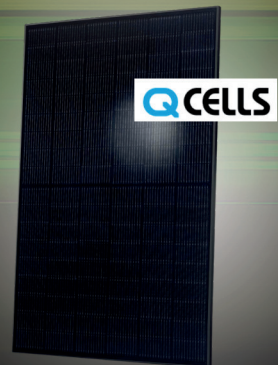


## Q Cells 405W Black Framed Panel

Innovative all-weather technology: optimal yields, whatever the weather and excellent low-light and temperature behaviour.



25 year performance warranty  
12 year product warranty



**WE ALSO STOCK:** Jinko | Canadian Solar | Perlight | Eurener | SolFiT | & More

# INVERTERS

GivEnergy®

A solar panel inverter plays a vital role in transforming the energy produced by solar panels into a usable form of electricity for powering your home or business.

## AC Coupled Inverter 3.0



The GivEnergy AC Coupled Inverter works as a standalone energy storage system or alongside solar, hydro, or wind-turbine to store excess energy.

- 3000W Nominal AC Output Power
- 13A Max. Output Current
- IP65 Rating
- 5 Year Warranty

## GivEnergy Hybrid Inverters

The GivEnergy Hybrid Inverter is a state-of-the-art solution that seamlessly integrates solar power with battery storage, revolutionising the way you harness and utilise energy.

This advanced inverter offers unparalleled versatility, efficiency, and control, taking your energy independence to new heights.

- IP65 Rating
- 5 Year Warranty
- Sizes: 3.6kw | 5kw | 8.2kw | 9.5kw



# BATTERIES

GivEnergy®

**GivEnergy Solar Batteries are the perfect companion for your solar power system.**

These advanced batteries store excess energy generated by your solar panels, allowing you to use it during times of high demand or when the sun isn't shining. You can also charge your batteries from the grid during off-peak hours.

Upgrade your solar system with GivEnergy Solar Batteries and experience the next level of efficiency and reliability.



## AVAILABLE BATTERY SIZES:

**2.6kWh**

LOW USAGE

**5.2kWh**

AVERAGE USAGE

**8.2kWh**

HIGH USAGE

**9.5kWh**

VERY HIGH USAGE

Battery sizes based on typical average usage. Subject to site survey and requirements.

# BATTERIES

GivEnergy®

## ALL IN ONE

13.5KWH (AC COUPLED)

Primarily working as an on grid system, the All in One can deliver 7.2kW of peak power into the home on top of any solar generation.

- 6000W Nominal AC Output Power
- 7.2kW @ 10s, 6.5kW @ 30s Peak Power
- Dimensions 1100H x 600W x 280D (mm)
- IP65 Rating
- 5 Year Warranty



## “THE ULTIMATE HOME BATTERY”



5 YEAR WARRANTY  
(EXTENDABLE TO 10 YEARS)



GivEnergy®  
Approved Installer

# EV CHARGERS



## Zappi EV Charger

The Zappi is Myenergi's smart EV charger, with which you can charge your car when and how you want. As with all of their products, it's designed to work seamlessly with solar PV.

## Wallbox EV Charger

The Wallbox EV Charger is the ultimate charging solution for your electric vehicle. Designed with cutting-edge technology and user-friendly features, this sleek and compact charger offers fast and efficient charging at your convenience.



## GivEnergy EV Charger

Charge your electric vehicle in no time with GivEnergy's fast and reliable 7kW EV Charger.

- 7kW / 32A AC Power Output Rating
- 5m Charging Cable Length





# EXTRAS

## PV Protect



PV Protect is a leading-edge solar panel protection solution designed to preserve the longevity and performance of your solar power system. This offers a multi-layered defence against potential hazards, ensuring maximum efficiency and peace of mind.

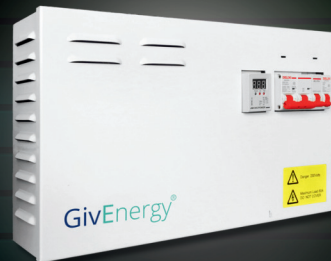
## Smart Plug

This 16A GivEnergy smart plug can be controlled via the GivEnergy app and comes with energy monitoring as well as providing a power and energy breakdown.



## Voltage Optimiser

The GivEnergy voltage is an optimiser that is used for stepping down the voltage of mains when this has been increased by a PV installation; saving you money.



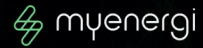
## Emergency Power System (EPS)

The Emergency Power System (EPS) is the method of using power from your Solar Batteries to provide electricity to either a socket, a group of circuits or your whole house in the event of a power cut.

# EXTRAS



## eddi



eddi ensures that you are maximising the consumption of all your own self-generated solar / wind energy by diverting it to be used within your own property, such as to power heating systems, heat water or maximise the efficiency of a heat pump. The possibilities are endless!



## Solar iBoost

Solar iBoost is a game-changing device that maximizes the efficiency of your solar power system. This innovative technology automatically diverts excess solar energy to heat your water, helping you save even more on your energy bills.



## GivEnergy Monitoring App



The GivEnergy App provides useful information:

- Home Energy Demand
- Solar PV Generation
- Grid import energy
- GivEnergy Battery Usage

# EXTRAS



## Bird-Proofing

With easy installation and low maintenance requirements, our Solar Bird Guarding helps protect your property from potential damage caused by bird droppings, nesting materials, and associated health hazards.



## Solar Skirt

A solar skirt is a simple and cost-effective addition to any solar mounting system which creates a more visual appealing look and helps prevent visible water runoff patterns.



## Solar Panel Cleaning

Our expert team utilises advanced cleaning techniques and eco-friendly solutions to remove dirt, grime, and build-up from your solar panels.

visit [fec-renewables.co.uk/solarcare](https://fec-renewables.co.uk/solarcare) for more information

## Solar PV Cleaning & Servicing

Our solar panel servicing is designed to keep your solar power system running smoothly and efficiently. Regular maintenance and servicing are essential to maximize the performance and lifespan of your solar panels, ensuring you get the most out of your investment.



# SOLAR PV MAINTENANCE PACKAGES

## Basic Solar Maintenance Package

- Annual inspection and panel cleaning service.
- Inspection of all electrical components and wiring.
- Full test of system performance.

**£299**

## Standard Solar Maintenance Package

- Annual inspection and panel cleaning service.
- Inspection of all electrical components and wiring.
- Full test of system performance.

**£399**

## Premium Solar Maintenance Package

- Annual comprehensive inspection and panel cleaning service.
- Inspection of all electrical components and wiring.
- Full test of system performance.
- FREE component replacement (terms apply)
- Emergency rapid response and priority booking

**£499**

visit [fec-renewables.co.uk/solarcare](https://fec-renewables.co.uk/solarcare) for more information

## Solar PV Cleaning & Servicing ✂

Our solar panel servicing is designed to keep your solar power system running smoothly and efficiently. Regular maintenance and servicing are essential to maximize the performance and lifespan of your solar panels, ensuring you get the most out of your investment.



# AIR SOURCE HEAT PUMPS



## Introducing Mitsubishi Ecodan:

*The Future of Efficient Heating  
and Cooling Solutions!*

The Mitsubishi Ecodan is a revolutionary air source heat pump system that brings comfort and sustainability to your home.

This advanced technology extracts heat from the outdoor air, even in low temperatures, and efficiently converts it into warmth for your living spaces.

With Ecodan, you can enjoy efficient heating and cooling all year round while significantly reducing your energy consumption and carbon footprint.



### Key Features of the Mitsubishi Ecodan:

- ✓ Exceptional Energy Efficiency
- ✓ Intelligent Heating and Cooling
- ✓ Quiet and Reliable Operation
- ✓ Smart Controls and Monitoring
- ✓ Environmentally Friendly

## SYSTEM SIZES

5kWh | 8.5kWh | 11.2kWh | 14kWh

The system size your property will require will be determined upon a home survey.

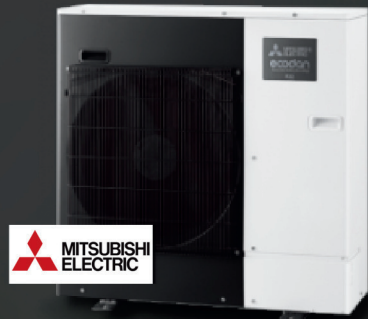
# £7500 BOILER UPGRADE SCHEME\*

**UPGRADE YOUR OLD BOILER TODAY!**

Heat pumps are significantly more efficient than traditional boilers and will reduce your home energy usage, saving you money on your energy bills.

The UK government is offering grants of £7,500 towards the cost of an eco heat pump to homeowners across England and Wales, known as the 'Boiler Upgrade Scheme'.

If you live in Scotland, you might be able to get an interest-free loan or a grant to make your home more energy efficient.



**UP TO 500% MORE EFFICIENT THAN YOUR CURRENT BOILER!**

\*terms apply

 **GOV.UK**

Boiler Upgrade Scheme funded by the UK Government



# FIND OUT HOW MUCH YOU COULD SAVE ON YOUR ENERGY BILLS TODAY!

CHOOSE A HOME OR REMOTE DESKTOP SURVEY

**01302 578422**

**WWW.FEC-RENEWABLES.CO.UK**

FOLLOW US



MCS

