



Part of the  
Enginuity Group

# THE BIG GREEN

ELECTRICAL COMPANY

At **The Big Green Electrical Company**, we have a passion for delivering high quality Solar Photovoltaic (PV) installations customised and tailored your needs. Solar energy is an ideal option for households to both harness renewable 'green' energy and create independence from the grid. Not only saving money but giving the potential to earn from the excess energy produced.

When it comes to residential solar panels, we've got you covered. We take care of every aspect of the installation process, so you can sit back, take it easy, and start enjoying the savings without any stress. We pride ourselves in being a full service solar installation company and oversee our projects from inception to installation and beyond removing all of the effort and committing to completing all projects to exceed your expectations.

Residential solar systems have so many benefits for homeowners. A home solar panel installation won't just save you money on your electricity bill when you turn on a light or fire up your laptop, it will also boost the value of your home significantly and can provide an income from surplus energy fed back to the grid. As we are all about green energy here at **The Big Green Electrical Company** it goes without saying that solar energy, being a renewable energy is better for the environment reducing your households carbon footprint.

The solar industry is a global market; however, we want our customers to have manufacturers they can talk to in the UK that demonstrate great customer service and honour the full warranty period. This is why we choose to only use the best equipment available, and from manufacturers with the best customer service possible; to protect both our customers and our installations for years to come.

By choosing **The Big Green Electrical Company** for your Solar PV installation you are making the best possible choice for you, your home and the environment.

Daniel Evans  
BIG GREEN DIRECTOR



# OUR SERVICES



## Domestic Electrician

Whether you're renovating or extending, you need to be sure that your electrics are safe and will give you the lighting and power you need to enjoy your home to the full.



## Commercial Electrician

Electrical safety and reliability are essential for owners and managers of commercial premises so it's important to choose a NICEIC Approved contractor.



## Electrical Testing, Inspection & EICR

We inspect and test electricals to BS 7671 standards to ensure your residential and commercial properties are safe and fully compliant.



## Electrical Repairs & Maintenance

Get your electrical problems resolved quickly and expertly. As we're NICEIC Approved, you can relax, knowing our repair work is fully guaranteed.



## Electric Vehicle Charger

We'll recommend the best electrical vehicle charger equipment for your home or office to help you enjoy a cleaner, more energy-efficient future.



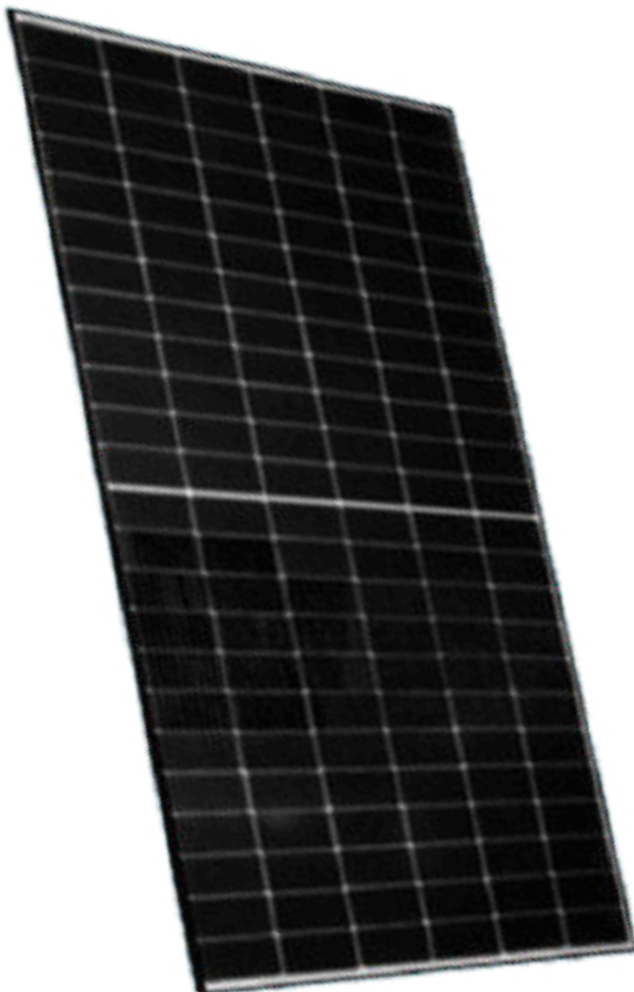
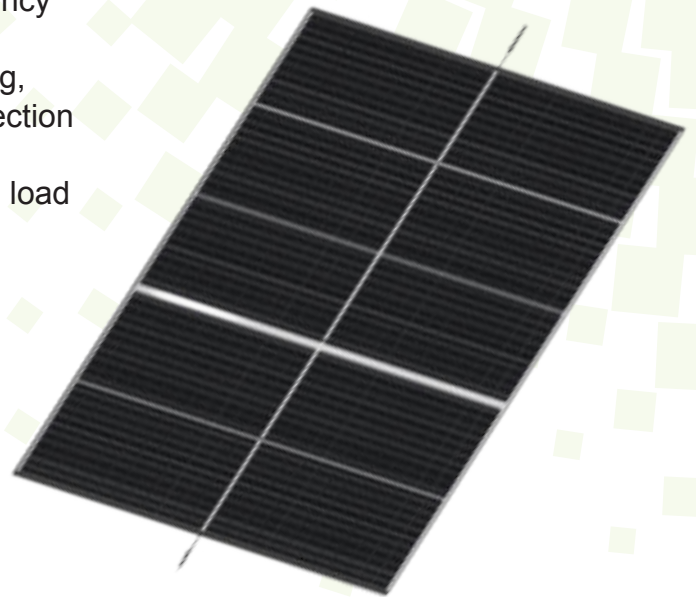
## Smart Home Automation

Create a smarter and greener home – making life easier, while reducing your impact on the planet. We specialise in smart home automation, using the very best and latest technology.

# SOLAR PANELS

## Trina Solar 395 watts Vertex S Triple CutPERC Mono Solar Module

- Generates up to 405 W, 21.1 % module efficiency with high density.
- Multi-busbar technology for better light trapping, lower series resistance, improved current collection and enhance reliability.
- 6,000 Pa snow load (test load), 4,000 Pa wind load (test load).



## JA Solar 72-Cell MBB Half-Cell Module

- Higher output power.
- Lower LCOE.
- Less shading and lower resistive loss.
- Better mechanical loading tolerance.

# INVERTERS



## SolarEdge SE3680H-RW000BNN4 3.68KW HD Wave Single Phase Inverter

- Specifically designed to work with power optimisers.
- Record breaking efficiency.
- Small & lightweight with high reliability.
- Built in module level monitoring.
- Outdoor and indoor installation.
- Fixed voltage inverter for longer strings.
- Smart Energy Management control.
- Integrated arc fault protection.

## Solis Energy Storage 3KW Hybrid Inverter with DC Switch

- Fan less design IP65.
- High charge and discharge efficiency with economic benefits.
- Multiple work modes resulting in max self-consumption.
- Intelligent EMS function , improving battery's reliability.
- 24 hour real-time intelligent energy management.
- Remotely control & upgrade.
- Compatible with Lithium & lead acid batteries.



## GivEnergy Hybrid 3.6kW Inverter Giv-HY 3.6 Gen 2

- Uses GivEnergy Lithium batteries that can be added to extend KWh of battery bank.
- Integrated WiFi – No Dongle required.
- Batteries can be charged from Solar PV as well as your current utility supply.
- Cloud based monitoring and control through WEB APP interface.
- Inverter can be remotely updated Via Wi-Fi /4G dongle.
- Inverter has up to 3600W backup power capability.
- Backup function supported.

# BATTERY STORAGE



## SolarEdge Energy Bank 10kWh Battery

- DC coupled battery for superior overall system efficiency.
- Wireless communication with the inverter.
- Optimised for StorEdge single phase inverters with HDWave technology and with added backup.
- 100% depth of discharge
- Ground mounting or wall mounting
- Automatic configuration with pre-defined settings.
- All SolarEdge solutions are managed by a single APP to optimise energy production, consumption and stored energy.

## PureDrive PureStorage II DC 5kWh LiFePo4 Battery

- IP65 – weather and waterproof.
- Integrated DC isolator – saves time when installing.
- 1C rating – maximising charging and discharge rates.
- Power cut protection – automatic seamless switchover.
- 10,000 cycles - lasts 3 times longer than leading brands.
- 45 MWh of throughput guaranteed – 3 times more than leading brands.
- Backed and approved – by the best inverter suppliers on the market.



## GivEnergy 5.2kWh Battery Giv-Bat 5.2

- Small, lightweight and modular (54 kg).
- LiFePO 4 Cell Technology.
- Active cell balancing.
- Can be Installed alongside other GivEnergy battery packs (Mix & Match).
- Can be wall mounted or floor stood.
- 10 years throughput warranty - 52 MWh.
- 90% depth of discharge.

# UPGRADE OPTIONS



## Immersion Controller MyEnergi Eddi Eco-Smart Energy Diverter

- Diverts surplus energy production to immersion heater.
- Produces free hot water (not suitable for combi boilers).
- Reduces heating bills and improves overall system payback.

## Solar Module Bird Proofing Van der Valk Bird Blocker

- UV-Resistant.
- 100% recyclable.
- 10-Year product warranty.



## Solar Module Bird Proofing SolaSkirt



Designed to protect your investment for its lifetime while also giving your system a sleek finish improving its aesthetics. Pigeons love to nest under solar panels as they provide a warm, safe space to nest. But they can cause major problems, with guano build up, which is a health hazard, and they can damage the cables which causes a loss of output. Pigeons are a leading cause of PV system failure.

# OUR SERVICES

## Domestic Electrician

### 1. Planning Permission and Building Control

If your property is a listed building or you are in a conservation area you may need planning permission. You are responsible for contacting your local planning authority to obtain confirmation that planning permission is not required.

The Big Green Electrical Company cannot be held responsible for any installations carried out where planning permission was required but not obtained and we cannot offer refunds in such cases.

### 2. Roof Structure

We believe your roof is suitable for the proposed installation. OR We believe your roof needs reinforcing.

You may want to obtain an independent opinion on the condition of your roof for the proposed installation and it is recommended that you pay for a Structural Engineers Report.

### 3. Insurance

It is recommended that you inform your property insurers about the proposed installation to check if it will increase your buildings insurance premium.

The Big Green Electrical Company has appropriate insurance to cover possible third-party damage, which may be caused by any of our activities in supplying a small-scale energy generator to you. We are insured by Covéa Insurance Plc.

### 4. Deposit and Advance Payments

The Big Green Electrical Company requires a deposit payment of a maximum of 25% of the contract price, including VAT, on confirmation of the order. We may require a further advance payment 14 days prior to installation. We will never ask you for more than 60% up-front, including the deposit.

Your deposit will be insured with Qualitymark Protection Ltd so that you can get the job completed or your money back if we cannot deliver your equipment because we have gone out of business.



# OUR SERVICES

## CONTINUED

### 5. Data Protection

Please be assured The Big Green Electrical Company will keep information about you in accordance with data protection legislation and will not pass information to any third party without your permission. Our Privacy Policy Notice is available [here](#).

As members of RECC, we may be required to provide the RECC Administrator with information relating to our contacts with you as part of RECC's monitoring procedures; this information may include your personal data. Please see the RECC Use of Personal Data Notice for information on how RECC would use and store this data.

### 6. The Smart Export Guarantee (SEG)

We will register your installation on the MCS Installation database and send you the MCS Certificate as soon as possible and certainly no later than 10 days after the installation is commissioned.

If you are looking to register for a Smart Export tariff, you will need to send your MCS certificate and any other information that may be required to the licensed electricity supplier with whom you have contracted for their Smart Export tariff. You can read more information about the SEG from Ofgem, the energy regulator, [here](#). Ofgem's guidance for generators like you, is available [here](#).

The Solar Trade Association has a list of SEG tariffs currently on offer [here](#).



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**THE BIG GREEN ELECTRICAL COMPANY LTD**

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