Gregor
Heating, Electrical & Renewable Energy

CASE STUDY

Harvesting more energy from solar panels with powerful results

Client situation

After owning a Solar PV system for seven years, the Matthews family from Bath decided to take the next step in installing a Battery Backup system with a Solar Diverter.

Mrs Matthews explains her decision. *"With rising energy costs and a volatile market, we wanted to maximise excess solar generation from our existing solar panels. Lowering our carbon footprint as well as cutting down our electric and gas consumption was also an important outcome for us.*

"I decided that I would use a local company with a history of installing renewable solutions. I looked at Which Trusted Trader and saw lots of positive reviews about the company. There was also lots of renewable technical information on their website.

"I called the Gregor office and was put through to a very helpful assistant called Jane, who promptly booked an appointment with the renewables surveyor that was convenient to myself.

"He attended the property to look at my existing system, he went through all the potential options and came up with a total install package, meeting all my needs."

Scope of works

After looking at the existing heating system, Gregor identified that the Matthews household could harness the excess solar from its PV panels into the electrical Immersion swich and battery.

The property was generating an average of 3600 kw hours per year from its solar panels and sending about 60% of this back to the grid. A battery would allow this to be stored for future use meaning it would rely less on gas and electricity.

The renewable consultant advised that installing My Energi products was a great option for future proofing. It has a battery and hot water solutions and the option to install an electric car charger.

The solution was a package of My Eddi linked with My Hub (App Based monitoring) with an 8.2 GivEnergi linked to a GivEnergi 3.6 AC coupled inverter. This wouldn't affect the property's current feed in tariff and would also include a dedicated power supply in an event of a power outage.

Mrs Matthews continues; *"I promptly received a detailed quotation and scope of works and on accepting the quotation and paying the deposit a date was fixed for the installation to commence within 3 weeks.*

"Gregor's electrical team attended site on the agreed date, talked me through the installation and what to expect. They fitted all the associated equipment and commissioned the system in one day, so the installation was set up to meet my needs with minimum disruption.

"I work from home two days a week, so we prioritised the hot water to be charged in the morning with the excess solar, once this is charged, excess would then go to charge the battery.

"They also set battery discharge times so the property can benefit from maximum usage from the battery.

"Once the installation had taken place, I was given a full explanation of how to monitor and use the system for maximum benefit, all I had to do was to set the App up on my phone.

"The team also kindly advised about carefully researching and keeping an eye on different energy tariffs to make the most of when my battery can be topped on days where excess solar gain is not possible or at night-time."

Outcome

The system has now been fitted for one month and by harvesting more of the energy they are making, the Matthews family has also minimised the amount of energy they are sending back to the grid.

They have already reduced gas consumption and electricity use by 50%, in doing so reducing their energy bills and helping to meet their objective of lowering their carbon footprint.

Another happy customer!

Mrs Matthews is delighted; *"We are really pleased we made this investment, which is already paying off. I'm sure there's more savings to be made, we haven't explored the off-peak tariffs available yet, but it's something we will be considering. I would highly recommend Gregor for their expertise, knowledge and friendly approach."*

Cost

The cost of solar panels has significantly dropped over the past 10 years and that, combined with the recent Government announcement of zero rate VAT on solar panels, makes the overall cost of installation much more attractive for many households.

Equally if you already have solar panels installed, we can assist with the addition of battery storage to compliment your current set-up.

And with rising energy prices, many customers are seeing a good return on investment more quickly than originally anticipated. *

(*all information correct at time of writing, May 2022).

TESTIMONIAL

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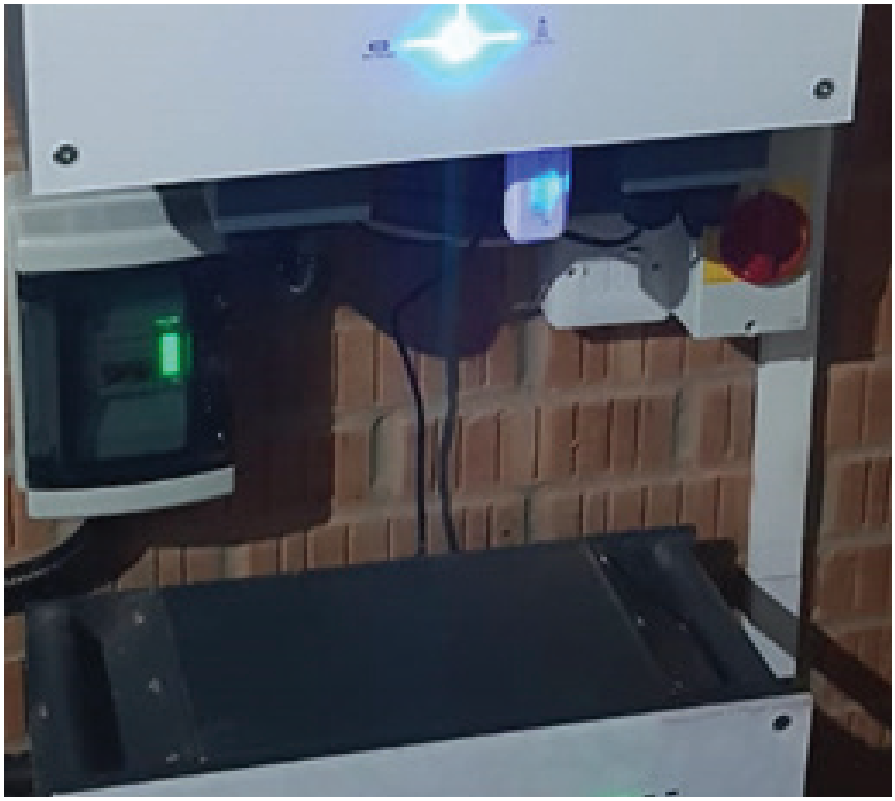

Example of GivEnergi system

Real time energy use via app