NXTGEN

NXTGENENERGY.CO.UK

Google Customer Reviews
★★★★★
100% Customer Satisfaction

Nxtgenenergy
Reviews 20 • Excellent
4.6
VERIFIED COMPANY

TRUSTMARK
Government Endorsed Quality

MCS
CERTIFIED

CASE STUDY 5 - MALDON

Residential solar panels case study of an install of a Solar Panel System of 17 Jinko Tiger Neo 435W Solar Panels (7.395 kWp) on the roof of a house in Heybridge, Maldon, Essex, UK.

INTRODUCTION

This case study delves into a residential solar installation of a 7.395 kWp solar PV system in Heybridge, Maldon, for our customer Matthew that was designed and professionally installed by MCS Certified Solar PV Installers NXTGEN Energy Ltd. In this case study we'll explore all the details of this solar panel system.

PROJECT DETAILS

Installer: NXTGEN Energy Ltd.
Location: Maldon, UK
Technology: 17 Jinko Tiger Neo 435W N-Type All Black Mono panels. (7.395 kWp PV System)
Installation: January 2024

NXTGEN ENERGY LTD. CASE STUDY 5 - MALDON

5-STAR CUSTOMER REVIEW

https://nxtgenenergy.co.uk

Highly Recommend NxtGen

To me the main issue was a high quality installation, and they delivered that.

I did my homework, shopped around, many competitors tried to put them down saying they are just a scaffolding company, but the results were excellent.

Try asking this company the really detailed questions about battery, inverter and panel combinations with logical strategy behind it, many floundered beyond the basic specs. Bobby at NxtGen is in a different league, he has a thorough, detailed understanding of what you need. I trusted him and he delivered exactly what he said he would.

Add that to the install team who were polite, friendly, helpful and hard working, I am very happy with the results.

SOLAR SOLUTION

NXTGEN Energy Solar Energy Specialist Bobby proposed a 7.395 kW solar PV system tailored to Matthew's specific needs and unique roof characteristics.

Here's a breakdown of the key components:

SOLAR PV SYSTEM

Solar Panels: 17 Jinko Tiger Neo 435W N-Type All Black Mono solar panels. These high-efficiency, all-black solar PV panels boast a sleek aesthetic and are built for durability in harsh weather conditions.

Hybrid Inverter:
G3 GivEnergy 5kW hybrid inverter. This advanced hybrid inverter converts DC electricity from the solar panels to AC electricity for use in the home, and also seamlessly integrates with battery storage.

Battery Storage:
GivEnergy 8.2kWh LiFePO4 Battery. This lithium iron phosphate solar battery offers long lifespan, safety, and high energy density, allowing for storage of excess solar energy.

Panel Mounting: Fastensol pitched roof mounting system designed for slate roofs. This robust system ensures secure solar panel mounting on the homeowner's specific roof type.

SOLAR RESULTS

Annual Energy Generation: 5,561 kWh, estimated to cover 77% of the homeowner's annual electricity needs with the added battery storage.

CO2 Savings: 1,181 kg per year, equivalent to driving 4,200 miles in a car or planting 54 new trees.

Payback Period: 7 years, with potential cost savings from reduced Grid dependence over system's lifespan of 25-years.

CONCLUSION

This case study highlights the details and considerations presented in the original free no-obligation quote. By analysing all these details, potential homeowners like Matthew can gain a deeper understanding of the proposed solar PV system and its potential benefits for their specific needs, circumstances & budget. With comprehensive information and transparent cost breakdowns, Matthew can make an informed decision about investing in clean energy and reducing his reliance on the National Grid for his energy.

Remember, this case study is just a starting point. Consulting with a qualified solar installer like NXTGEN Energy Ltd. for a personalised assessment and free quote on 01268 928 690 or email team at info@nxtgen.ltd for a quote tailored to your home & your needs is crucial before making any decisions.