



SOLAR 365

# JA's Auto Services

Commercial Solar PV Case Study



## Introduction

JA's Auto Services is a vehicle servicing and MOT garage based in Denaby, close to Doncaster and Rotherham. In addition to being a Vauxhall specialist, they can repair and service any type of vehicle from a simple hatchback to fleet management, motorhomes and large vans and trucks. With such a wide offering of services coupled with a 5-star rating they are the number one choice for residents and businesses in the area.

Whilst this is positive it does come with its own set of challenges, and one of them was the high electricity consumption required to service their customers. This challenge was even greater during a period of rising electricity prices and JA's Auto Services were worried about the spiralling costs and the impact this would have on their business and customers.

Solar 365 are one of JA Auto's loyal local customers and when one of our fleet vehicles was booked in for a routine service, this chance meeting prompted them to ask about how we can help.

Annual Electricity  
Consumption  
**21,000 kwh**

Location  
**Denaby, South  
Yorkshire**

Property Type  
**Servicing & MOT  
Garage**



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## Consultation

Our first step was to attend the premises and complete a thorough on-site survey to assess the suitability for Solar PV, discuss the technical details with JA's Auto's but also to provide impartial guidance and knowledge on the product. During this survey we investigate important aspects of the premises such as available roof space, roof material type, orientation to south, pitch and electricity phases to name a few.

Further to a technical survey we completed a needs analysis, identifying what the customers goals and expectations were. During this we identify important factors such as electricity consumption, current electricity costs, operating hours of the business and sustainability goals. JA's Auto's key focus was on bill reduction but also wanted equipment with lengthy warranties to provide peace of mind on a long-term basis.

The above service was completely free of charge, and we offer this to all businesses who are interested in learning how Solar PV can help reduce their energy bills and work toward their sustainability goals.

"I found Solar 365 very accomodating and easy to deal with, very approachable and helpful in identifying and fulfilling my business needs. The finalised quote arrived much sooner than I expected"

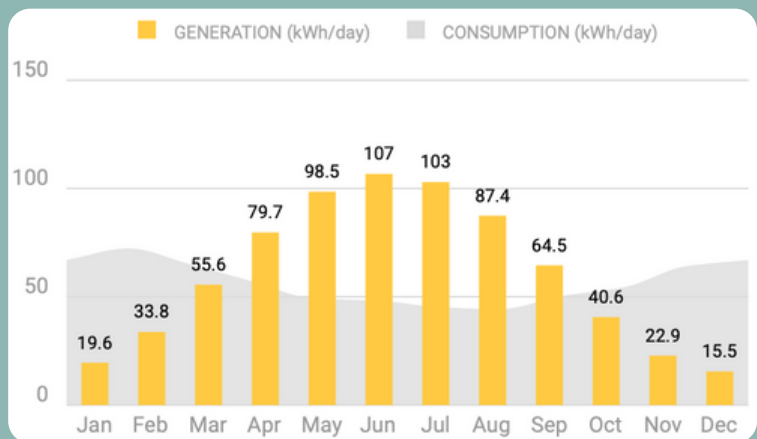
John Allen, Owner

## Design & Plan

Using our industry-leading design software, we began building a solution during which we use all the information gathered during the on-site survey to create a bespoke quotation and proposal. Our state-of-the-art software renders 3D models of the premises to accurately simulate the suns path throughout all seasons of the year, accounting for shading complications and allowing us to identify the most efficient placement of the panels.

We use a range of manufacturers and products, for the sole purpose of being able to provide our customers with equipment suited to their needs. In this instance we used DMEGC Solar panels which come with a whopping 30-year performance warranty, matching the customer's request for long-term peace of mind.

We believe in being honest and transparent, so our proposal includes a wealth of information from predicted bill-savings and environmental benefits, through to payback period and lifetime savings. You can view some key facts and figures of this proposal on the next page of this case study.



"Luke was very thorough and explained each part of the roofing aspect of the work. James the electrician was very approachable. After the install he gave me his number and said to call should I need any advice or have further questions"

John Allen, Owner

## Install & Commissioning

After a short review period, JA's Auto's accepted our proposal and appointed us as their Solar PV installer. Our first step was to submit an application to the relevant grid authority for connection of power generating model – these applications can be complicated to submit, and with a 45-day period to receive acceptance, ensuring the information is correct is vital, so that's why we handle all grid applications for our customers providing a hassle-free experience.

Whilst waiting for the grid authority to approve the connection request, we returned to the premises to complete some further surveys – these are more in-depth technical surveys which ensure we are fully prepared at the time of install alongside completing risk assessments and implementing health and safety control measures.

As soon as the grid application was approved, we were ready to install straight away. Over 2 days our team were hard at work and completed everything on-time as expected. Once complete, we arranged a handover with the customer and talked them through their new solar PV system from start to finish. As part of this handover, we setup remote monitoring which allows JA Auto's to clearly see how much electricity their system is generating and the amount they have consumed and/or exported – this monitoring ensures they are always making the most out of their PV and can identify if any maintenance is required.



## The Results

JA Autos were extremely happy with the results, particularly around the ease of the whole process, our attention to detail and the quality of work completed. Now the customer is enjoying grid independence and reduced electricity bills. You can view some key facts and figures relating to JA Auto's below.

Are you interesting in learning how Solar PV can help power up your business and reduce your energy bills. Head over to [www.solar-365.co.uk](http://www.solar-365.co.uk) to learn more and get in touch!

Scan me to see a short video about this install!



**System Size**  
26.35kw



**Annual Output**  
22,187 kWh



**CO2 Reduction**  
5.6tons per year



**Annual Bill Savings**  
£4,300



**Payback Period**  
3 years

