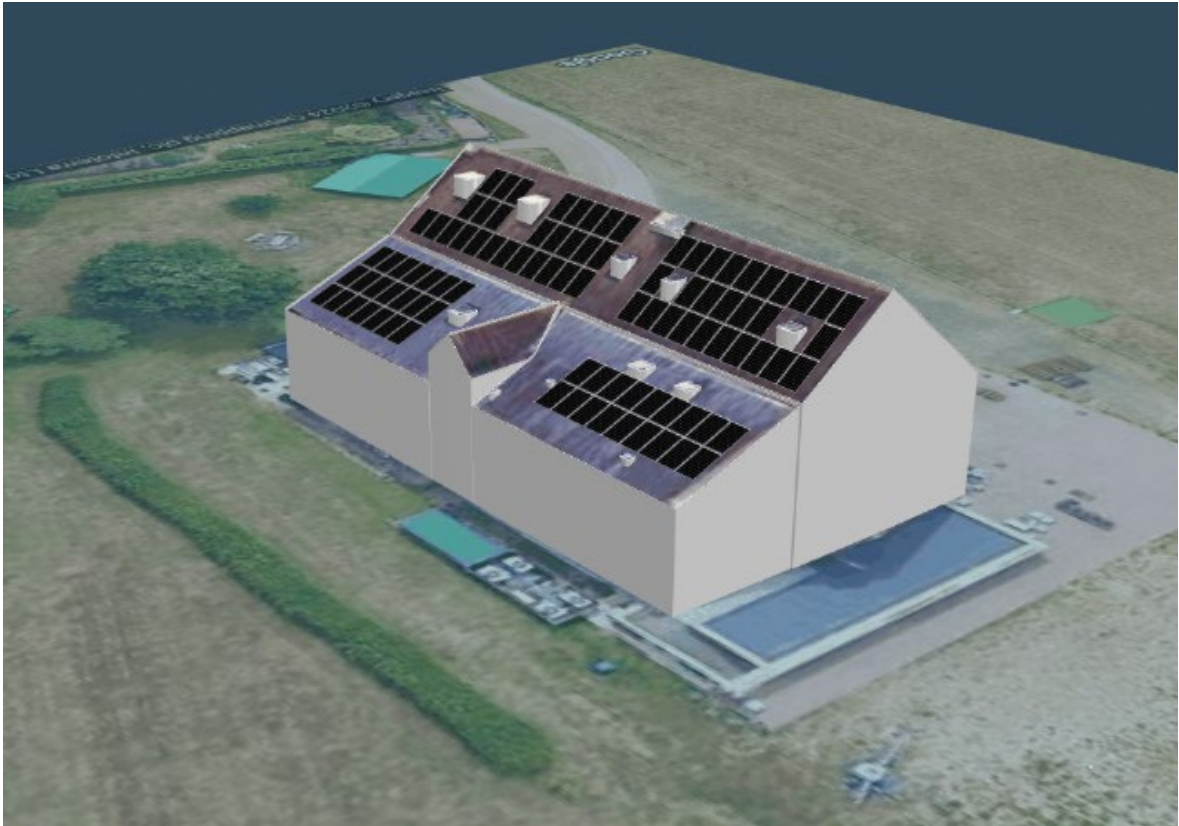


SAMPLE SOLAR CALCULATOR REPORT



Your installation

1. Timetable for Works

We will agree installation dates with you in writing after the order has been confirmed and we have received your deposit if we have asked you for one. A G99 application will be made to the DNO, a Structural survey will be arranged prior to the works being booked in.

2. Commissioning the system

We will commission your system in line with MCS installation standards to ensure that the system is safe, has been installed in accordance with documented procedures and manufacturer's requirements and is operating correctly in accordance with the system design. The MCS only covers up to 50Kw. If your system is larger you will not receive an MCS certificate.

3. After Sales Support and Maintenance

Powercor will provide a basic maintenance program for the client to follow to ensure the system is working as best as it can. Powercor provides optional servicing and/or maintenance contracts at additional cost.

4. Guarantees

Your equipment is guaranteed by its manufacturer:

- 25 years for solar panels
- 12 years for the inverter

Any products damaged during installation shall be replaced free of charge.

We guarantee our workmanship for 2 years from date of install. This workmanship warranty will be transferable to the new legal owner of the property if it is sold during the warranty period.



MODEL PV PERFORMANCE ESTIMATE

Predicted System Performance for Solar PV Installations

The UK Microgeneration Certification Scheme (MCS) requires all certified companies to give an assessment of solar PV system performance based on the standard MCS procedure in Microgeneration Installation Standard MIS3002, Issue 3.5 and Issue 4.0 from 16 March 2021.

Important Note: The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure and is given as guidance only. It should not be considered as a guarantee of performance.

The Solar PV self-consumption has been calculated in accordance with the most relevant methodology for your system. There are a number of external factors that can have a significant effect on the amount of energy that is self-consumed so this figure should not be considered as a guarantee of the amount of energy that will be self-consumed.

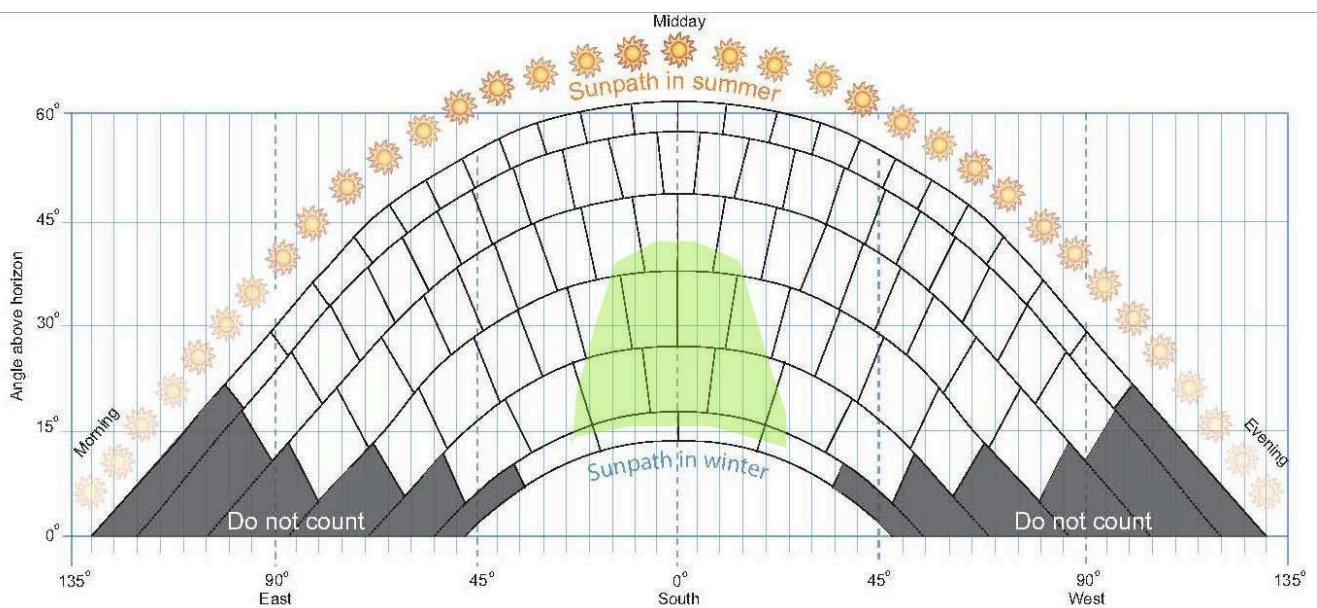
In optimal circumstances (a property in the south of the UK with an unshaded south-facing roof sloping at an angle of 35°) an 3.0 kWp PV system typically generates 2800 kWh.



Your system is predicted to produce 35230kwh

To calculate this, we take:

- the size of your system (in kWp)
- how much solar radiation the system is estimated to get (the 'solar radiation input factor' or Kk for short). We use official tables to estimate this which take into account your postcode region, the inclination (or tilt) of your roof and its orientation (which direction it faces)
- how much shading there is on the system (the 'shade factor' or SF), such as from surrounding trees, chimneys, shadow from nearby buildings). If there is no shading, the SF equals 1.
- We have estimated this using the sun path diagram below.



kWp (size of system) x Kk (solar radiation input factor) x SF (shade factor)

A. Installation data	
Installed capacity of PV system	40.89Wp = 23925w + 16965w
Orientation of the PV system – degrees from south	90°
Inclination of system – degrees from horizontal	40°/20°
Postcode region	Zone 1
B. Performance calculations	
kWh/kWp (Kk) from table	768kk/812kk
Shade factor (SF)	1
Estimated annual output (kWp x Kk x SF)	18374.4kwh + 13775.58kwh = 32149.98kwh
C. Estimated PV self-consumption – PV Only	
Assumed occupancy archetype	Business Hours (9am-9pm)
Assumed annual electricity consumption, kWh	69560 kWh
Estimated annual output (kWp x Kk x SF)	32149.98kwh
Expected solar PV self-consumption (PV Only)	33620 Kwh
Grid electricity independence / Self-sufficiency (PV Only)	20 %

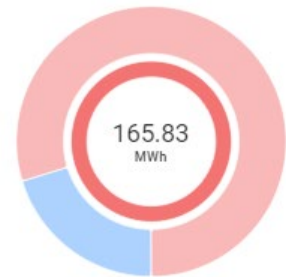
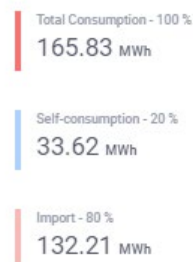


SolarEdge Simulation:

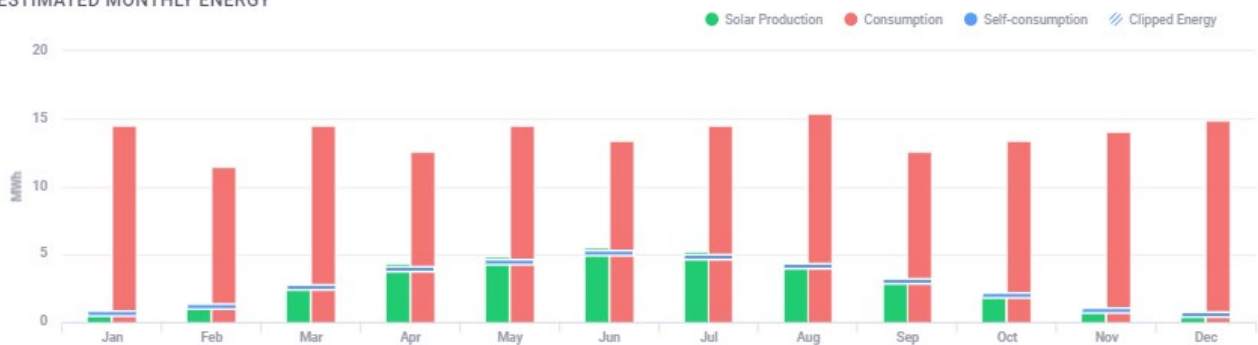
SYSTEM PRODUCTION



CONSUMPTION



ESTIMATED MONTHLY ENERGY



Benefits

Installed system size	40.89 KWp
Estimated annual system output using standard Solaredge	35230 Kwh

Electricity savings: i.e. what you will save by using the electricity generated by your PV system rather than paying to import those kWh from the electricity grid at your current electricity tariff. We estimate this to be Solar Consumption – 33620kWh x 0.19p = £ 6,387.80

Estimated annual savings	Return on Investment
£6,387.80	3.7 years

Your savings from using some of the electricity generated will increase if electricity prices rise.

