

YOUR PERSONAL QUOTATION

John Doe

Wood Lane 57
CH49 2PU Greasby

The Solar Design and Training Company Limited

Chris Laughton
Aberystwyth Road Llety Gwyn
SY20 8ET Machynlleth
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chris@solar design.co.uk

Dear Mr ,

Thank you for your enquiry. Below you will find our offer:

The photovoltaic system produces environmentally friendly electricity on your roof. The battery storage provides increased independence.

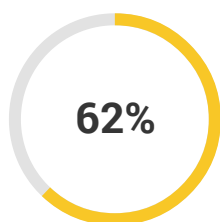
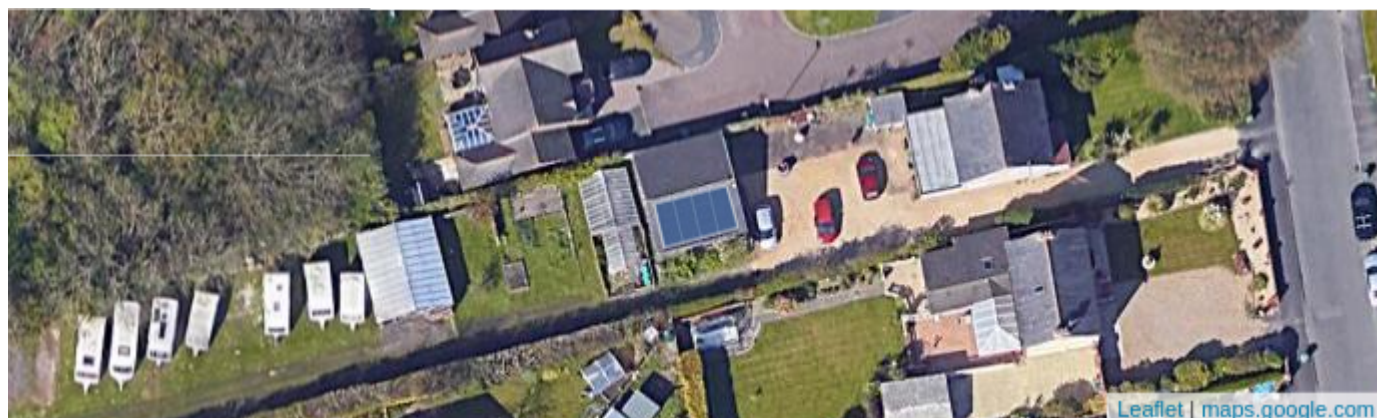
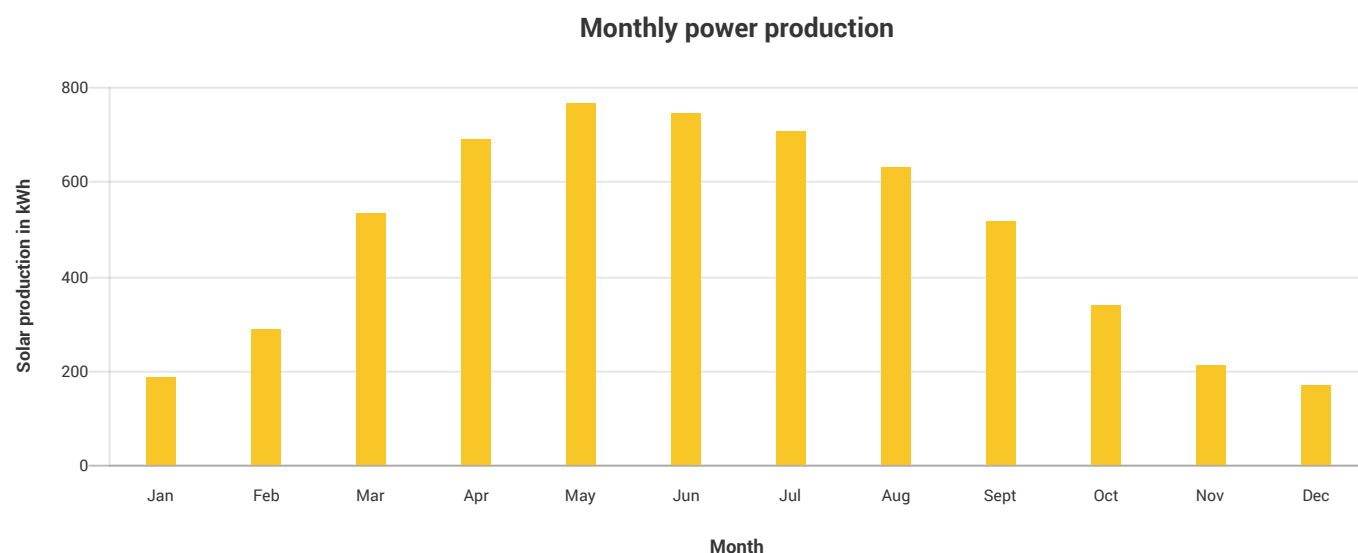
STANDARD PV SYSTEM WITH BATTERY STORAGE

INVESTMENT*	PV-system (5.28 kWp)	8,082.55 GBP
	Battery storage (2.9 kWh)	156.00 GBP
	VAT 5%	411.95 GBP
	Costs incl. VAT	8,650.50 GBP
YOUR INVESTMENT	Your total investment	8,650.50 GBP

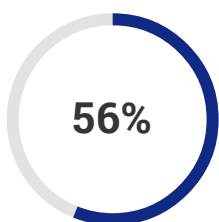
* Costs apply when ordering all listed systems

YOUR PV-SYSTEM

YOUR NEW ENERGY SYSTEM



Autonomy



Self-consumption

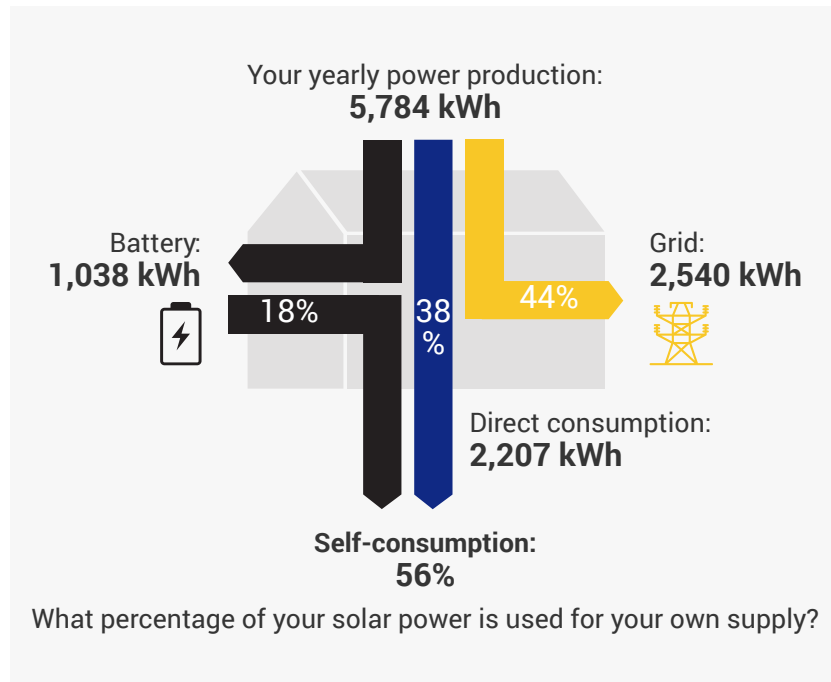
Information on simulation process:

Our quotation has been generated with support of a professional solar PV system simulation tool. For the feasibility calculation these simulated values have been used. The estimation of annual yield has been done based on the data set defined by MCS but accessed at a higher spatial resolution (your postcode region: CH49 2PU, specific yield: 1,095 kWh/kWp). The PV self-consumption has been calculated based on the usage of typical power consumption profiles for a building like yours. The benefit of a battery storage system on the self-consumption has been simulated with the professional PV system simulation tool. Please see Terms & Conditions for more information.

Heating	Oil, Gas, Wood
Hot water	Oil, Gas, Wood
Consumption	5,000 kWh
PV-system	5.28 kWp
Inclination	30°
Orientation	-11°
Annual yield	5,784 kWh
Battery storage	2.9 kWh

AUTONOMY & CONSUMPTION

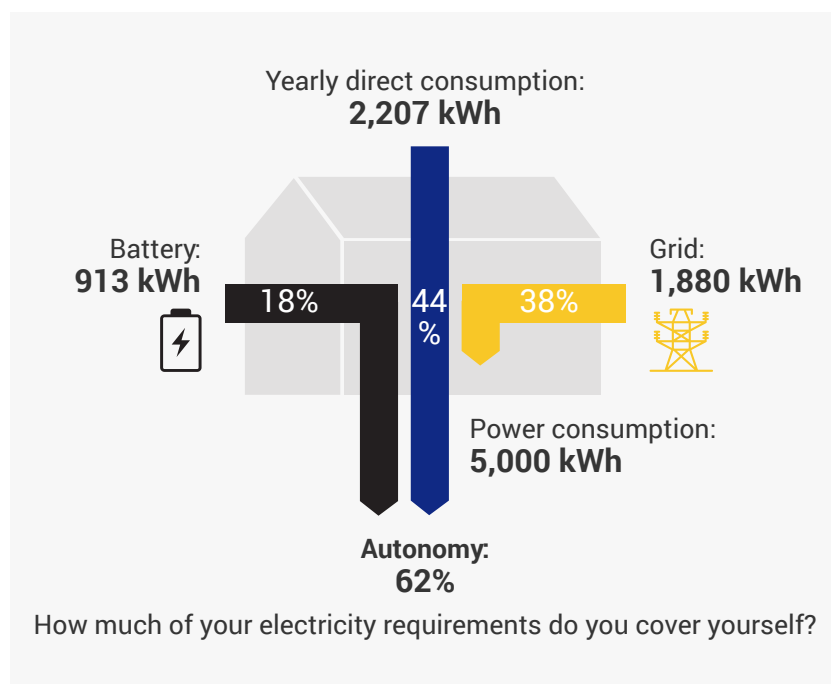
SELF-CONSUMPTION: WHERE DOES MY POWER GO TO?



Why do I feed power to the grid?

You can use your solar power directly or store it in your battery. Surplus power is fed into the grid.

AUTONOMY: WHERE DOES MY POWER COME FROM?



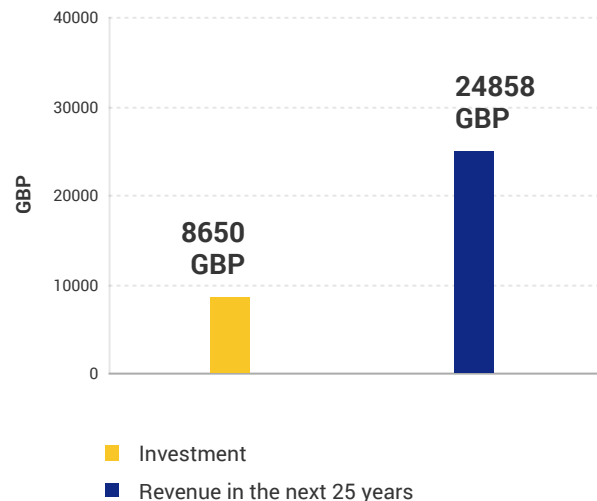
What percentage of your consumption is supplied with your solar power?

Even if your PV-system generates more power than you consume within a year and you own a battery, you still might need power from the grid, for example in a winter night.

PROFITABILITY OF YOUR PV-SYSTEM

COMPARISON OF INVESTMENT AND RETURN

PV-system	8,082.55 GBP
Battery	156.00 GBP
Total excl. VAT	8,238.55 GBP
VAT 5%	411.95 GBP
Total incl. VAT	8,650.50 GBP
Your investment	8,650.50 GBP



What does revenue mean?

Total of savings from self-consumption, feed-in revenues, minus operating costs within the life span of the PV-system / battery.

FINANCIAL RETURN

Internal rate of return:

Financial return of your PV-system **8.3%**

- The internal rate of return represents the medium, average return on your investment during the life span, based on the assumption that returns are reinvested at the internal rate of return.

PRODUCTION COST

1 kWh solar power from your roof costs:

Your energy cost **9.94 Pence**

- Within the life span of the PV-plant and the battery storage incl. capital cost, incl. investment und operating costs .

Basic information

Utility name	Standard	PV-life span	25 years
Energy product	Consumption 20 p incl. VAT	Cost of equity	1 %
Inflation electricity tariff	3.48 % yearly	Operating costs PV	1 % Invest. yearly
Inflation export tariff	3.48 % yearly	Operating costs battery	1 % Invest. yearly

YOUR ENERGY SYSTEM

High quality components

SOLAR PANELS



Manufacturer: Standard

Type: 330 kWp

Power: 330 Wp

Efficiency factor: 19.6 %

Manufacturer warranty: 10 years

Performance guarantee: 25 years / 80.00%

INVERTER



Manufacturer: Standard

Type: 3 kW

Max. efficiency factor: 97.8 %

Manufacturer warranty: 5 years ()

Origin:

BATTERY SYSTEM



Manufacturer: Standard

Type: 2.9 kWh

Capacity: 2.9 kWh (thereof 2.8 kWh usable)

Power: 3 kW

Life span of cell: 10000 cycles

CO₂-FOOTPRINT

AN IMPORTANT CONTRIBUTION TO A SUSTAINABLE FUTURE

Your yearly CO₂ reduction of 1,163 kg is equivalent to...



5,815 km

a car ride of 5,815 km



Did you know?

An average electric car is 3-4 times more efficient than a car with a combustion engine.



21%

a reduction of your carbon footprint of 21%



Did you know?

In the United Kingdom the annual average per capita emissions are 5.6 tonnes of CO₂. By reducing our carbon footprint, we are helping to keep global warming as low as possible.



93

the amount of CO₂ yearly absorbed by 93 trees



Did you know?

The tropical forests of the Amazon region store up to 140 billion tonnes of CO₂, making them one of the largest CO₂ sinks on our planet.

Basis of calculation

The presented comparison is based on the UK standard electricity mix. Sources: IEA: "Life cycle analysis of CO₂ emissions of PV systems, 2015" and "UK Government GHG Conversion Factors for Company Reporting, 2020"

DETAIL COSTS

LABEL	QUANTITY	UNIT PRICE, GBP	PRICE, GBP
PV-system			8,082.55
Solar panels Standard * 330 kWp	16 pc	0.00	0.00
Inverter Standard * 3 kW	1 pc	0.00	0.00
Mounting system Pitched roof tile	26.9 m²	26.00	700.20
Adjustment of metering & meter cabinet - Modification of meter cabinet	5.3 kWp	960.00	5,068.80
Administration and system documentation - Registration grid operator - Notification of completion - Preparation of system documentation	1 flat	180.00	180.00
Installation of modules & substructure - Installation of the substructure on the roof - Installation of the PV modules on the substructure - Wiring of the modules to each other - Wiring to the inverter	16 pc	104.00	1,664.00
Inverter installation - Wall mounting of the inverter - Wiring and connection - Commissioning and instruction of owner	1 flat	195.00	195.00
Small material for installation - DC cables - Connectors - Cable routing	5.3 kWp	52.00	274.55
Battery system			156.00
Battery storage Standard * 2.9 kWh	1 pc	0.00	0.00
Installation of battery storage - Installation of battery storage - Installation of the self-consumption meter - Commissioning and instruction of owner	1 flat	156.00	156.00

DETAIL COSTS

LABEL	QUANTITY	UNIT PRICE, GBP	PRICE, GBP
Total excl. 5% VAT			8,238.55
VAT 5%			411.95
Total incl. 5% VAT			8,650.50

Remarks:

INSTALLATION PROCESS

1

EXAMINE YOUR PERSONAL QUOTATION

Take your time and examine your personal quotation. If you have any questions we are happy to help you.

2

ORDER

If you're convinced by our quotation, order the system.

Order the system now:



| chris@solar design.co.uk



| **01654 700324**

3

INSTALLATION OF YOUR SYSTEM

In a few weeks' time your system will be installed and ready to go.

ORDERING FORM

John Doe

Wood Lane 57
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Your contact for questions

Chris Laughton

Aberystwyth Road Llety Gwyn
SY20 8ET Machynlleth
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Please sign the form below and return it to us:

By email

chris@solar design.co.uk

By mail

The Solar Design and Training Company
Limited
Aberystwyth Road Llety Gwyn
SY20 8ET Machynlleth

I herewith confirm that I want to order the system as offered to me on 27.11.2021 under the variant "Standard PV system with battery storage" with the project reference tsdatcl-00013 for a total of 8,650.50 GBP (incl. VAT) (does not include subsidies).

Date:

Location:

Signature:
