



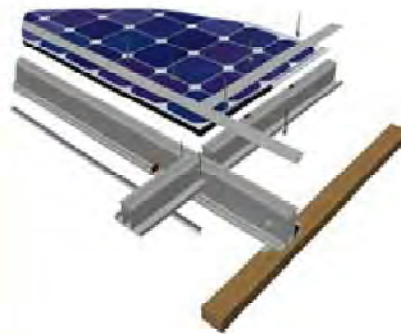
Solar Photovoltaic (Electricity) System

- Cut carbon emissions.
- Reduce your dependence on fossil fuels & minimise the effects of future inflation in energy prices.
- Reduce your electricity bills.
- Leave a legacy.
- Build your green credentials.
- Sell surplus electricity to the grid.
- Innovate and lead the way towards a clean energy future.
- Ideal for new build and retrofit.



Imagination Solar offers a fully roof integrated system (RIS) as standard. We believe it offers the best deal in terms of technology, aesthetics, performance and value. A bespoke service is also available for non-domestic systems.

- The solar modules are integrated into the roof using an elegant, aluminium framework, creating a completely weatherproof roof.
- In new build, or if the existing roof needs replacing, roof integration can offset roofing costs.
- Efficient, crystalline solar modules are used.
- Natural ventilation is built into the solar array for cooling purposes.





FAQs

What % of the electricity demand will a solar photovoltaic system provide?

This very much depends on what size system is installed and how high your electricity demand is. However, typically, you can expect it to provide between 30-50% of the electricity demand over the year, with highs in the summer months.

Can surplus electricity be sold to the grid?

Yes, as long as you have an agreement with the local DNO (Distribution Network Operator). Several electricity companies are offering 'buy back' or 'net metering' schemes where you will be paid for any surplus electricity fed back into the grid.

How does the solar system connect to the existing electricity system?

When exposed to daylight the solar array will generate electricity as DC power. The solar is connected to an inverter that changes DC energy into AC (mains electricity) so that it can be utilised. The inverter is linked to the distribution board and into your existing system from there.

What is the payback?

We'll be honest, if you are looking only at payback and saving money, then solar PV is not for you. If, you are concerned, instead, with protecting the environment, reducing carbon emissions, leaving an important clean energy legacy or sound long term investment then solar PV is worth considering.

Price Guidelines

Note: a 1kWp (1 kilowatt peak) system will produce approximately 1 kilowatt of power in strong sunlight.

System Size (kWp)	Approx m ² required	Expected kWh generated p.a	Guide Price ex VAT
1	8	800	£11,500
2	16	1600	£16,500
3	24	2400	£21,500
4	32	3200	£26,000
5	40	4000	£30,500

www.imaginationsolar.com

Unit 4 Montpelier Central, Station Road
Bristol BS6 5EE

t: 0117 942 6668 f: 0117 942 8998

e: enquiries@imaginationsolar.com

Reg. in England No. 4226842

