

CASE STUDY

- **Project:** Field-based solar PV canopy system
- **Site:** Private estate, Southern England
- **Client:** Mr. Jonathan McCormick
Director - Tesla
Regulatory Compliance Engineering



Field-based, waterproof, aluminium, solar PV canopy system

The client contacted Solar UK to provide a solution that created a field array without losing the use of the space that the array occupied.

The objective was to provide at least 37kWp of generation.

We designed a scheme using one of our aluminium waterproof car park canopies, installed on ground screws, and supporting a 40.85kWp array comprising 95 x Canadian Solar 430W PV modules linked to 2 x Growatt 17000 TL3-X – three phase dual MPPT-DC inverters.

This scheme will produce in the region of 37,900 kWhs per year for the home.

The area around the array can be used for parking grounds maintenance equipment, is out of the way of wildlife, which includes deer, and remains accessible to the family for recreation.

Client: Jonathan McCormick, Tesla. Director Engineering - Regulatory Compliance, Reliability, and Test Engineering

“I had a vision of what I wanted built, but it wasn't clear to me how this might best be achieved. The team at Solar UK were, from start to finish, very helpful, very easy to deal with, and highly professional. I am delighted with the quality of the canopy and would highly recommend Solar UK to anyone seeking to incorporate solar technologies into their own homes or businesses”.

Duncan Lee, Technical Director, Solar UK:

“We are so grateful to Jonathan for entrusting Solar UK to deliver this solar PV canopy solution for his family home. This was the first canopy that we have installed in a field environment, and it has opened other ideas for our design team to work with in the future using our range of canopy solutions”.



Based in East Sussex, Solar UK has been installing solar PV and solar thermal in the UK and Europe for 25 years. Solar UK designs, manufactures, supplies, installs, and maintains fully accredited solar systems specifically for the UK climate.

As well as being trusted suppliers and installers to both domestic and commercial customers, Solar UK is also one of the UK's leading solar research and development companies.

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