



Solar Canopy Structures

What is a Solar Canopy?

Solar canopies are elevated steel structures that support solar photovoltaic (PV) panels above open spaces, most commonly car parks, service yards, or paved areas.

These dual-purpose systems generate clean electricity while preserving ground-level functionality, enabling:

- ✓ Electric vehicle charging at the point of use
- ✓ Weather protection for cars and people
- ✓ Carbon footprint reduction through on-site renewable power
- ✓ Better land use, turning static parking into productive infrastructure

Solar canopies are fast becoming essential to public, commercial, and industrial estates aiming to meet sustainability targets, reduce energy costs, and future-proof for electric mobility.





SIG Building Solutions are a **specialist UK manufacturer** of solar canopy structures.

As part of SIG plc, a FTSE-listed, £2bn construction products group, we combine the confidence of a national brand with the flexibility of a specialist steel fabricator.

We manufacture entirely in the UK at our Steadmans facility in Cumbria, one of the most advanced steel fabrication sites in the country.

Our mission is to support the UK's transition to low-carbon infrastructure with best-in-class steel solutions, engineered for real-world performance and built for longevity.

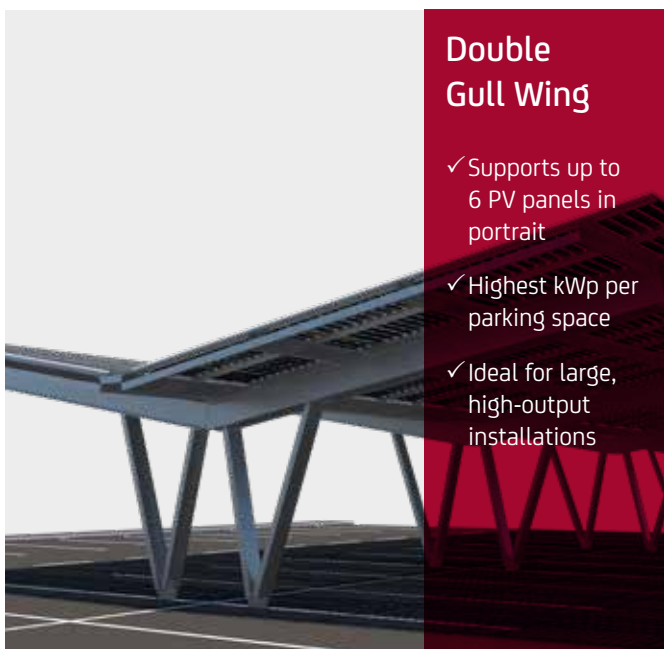
Why choose our solar canopy structures?

- ✓ **Proudly Made in the UK**
Our solar canopies are British manufactured entirely in Cumbria. This local production reduces transport emissions and supports UK jobs, making your project truly home-grown aiding sustainability. This also helps reduce lead times of projects.
- ✓ **Unique Design**
We believe every project is unique and should be treated that way. Each canopy is engineered with bespoke features tailored to your site's needs, blending cutting-edge aesthetics with functional excellence. Our modular approach offers flexibility, enabling easy integration with existing infrastructure and future scalability.
- ✓ **Built to Last**
Using premium-grade steel and advanced fabrication techniques, our canopies are designed to withstand the harshest UK weather conditions with minimal maintenance. This durability guarantees decades of dependable performance, maximizing your investment's lifespan and reliability.
- ✓ **Maximises Usable Space**
Our thoughtful designs ensure you don't lose any parking spaces, delivering renewable energy solutions while maintaining full site functionality.

Our Solar Canopy Range

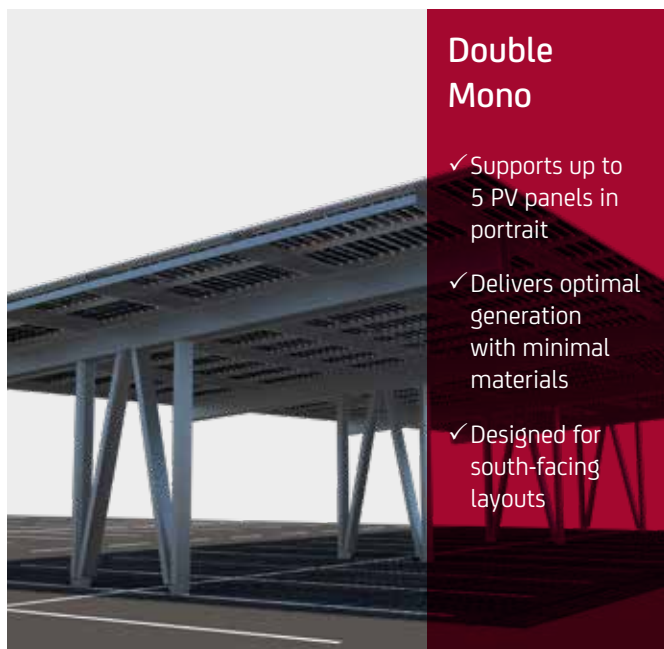
All structures are engineered using high-grade Tata Steel and fabricated at our Carlisle facility.

We offer **four core** canopy types:



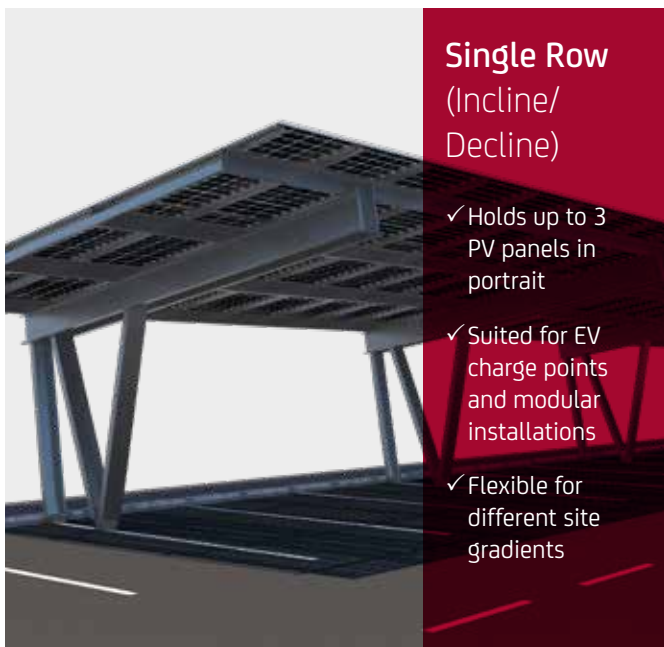
Double Gull Wing

- ✓ Supports up to 6 PV panels in portrait
- ✓ Highest kWp per parking space
- ✓ Ideal for large, high-output installations



Double Mono

- ✓ Supports up to 5 PV panels in portrait
- ✓ Delivers optimal generation with minimal materials
- ✓ Designed for south-facing layouts



Single Row (Incline/Decline)

- ✓ Holds up to 3 PV panels in portrait
- ✓ Suited for EV charge points and modular installations
- ✓ Flexible for different site gradients



Hot Rolled Single Post

- ✓ Ideal for angled/herringbone bays
- ✓ Uses hot-rolled columns for strength, cold-formed canopy
- ✓ Maximises usable space underneath

FAQs

Q: Do you supply the solar panels?

No - SIG Building Solutions specialises in manufacturing the steel canopy structures only. We work closely with your chosen PV panel provider or EPC partner to ensure seamless integration.

Q: What's included in the canopy structure?

Our canopy kits include the full structural steel framework, fixings, and our innovative PV panel mounting system. The panels themselves, electrical installation, and inverters are supplied by your solar partner.

Q: How long does installation take?

Thanks to our smart design, installation is typically 40% faster than traditional systems. PV panels are installed from below using scissor lifts, meaning no scaffolding, no roof access, and minimal site disruption.

Q: Do I need planning permission for a solar carport in the UK?

In most cases, solar carports fall under permitted development rights, meaning planning permission is not required. However, there are exceptions, such as if your car park is in a conservation area, the curtilage of a listed building or AONB and the canopy is over 4m high. Always check with your local planning authority before proceeding.

Q: Can the structure support snow or wind loads?

Absolutely - All our designs are engineered to current UK standards, including wind, snow, and live loadings for your specific location.

Q: Are your structures compatible with EV chargers?

Yes - and we go further. Our unique EV Beam system integrates charger foundations into the canopy itself, eliminating the need for extra posts, plinths, or trenching. That means faster installs and lower civils costs.

Q: Can you customise the design?

Yes - While we offer four core canopy types, each project is fully tailored to suit site layout, PV orientation, and energy needs. We work collaboratively with your solar partner to ensure optimal performance.

Q: Why should we choose a UK manufacturer?

By working with SIG Building Solutions, you benefit from local manufacturing, shorter lead times, full traceability, and reduced transport emissions - all while supporting British industry.

Further FAQs about our Solar Canopy Structures can be found on our website, simply scan the QR code to view.

Or if you would prefer to speak with a member of our solar team, drop us an email at solar@sigbuildingsolutions.co.uk





To find out more, visit
sigbuildingsolutions.co.uk

or contact our solar team at
solar@sigbuildingsolutions.co.uk



in Let's get **social**

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