

A close-up photograph of two hands raised in the air, palms facing each other, against a bright, hazy background of a sun low on the horizon. The sun is a large, glowing white circle, creating a lens flare effect. The hands are in sharp focus, with the fingers slightly spread. The overall color palette is warm, dominated by oranges, yellows, and soft pinks.

Your Project
with a Touch of

soltech

CARPORTS



Add a Touch of SOLTECH to Your Project

Do you see potential for solar panels in your project?
Or are you interested in a building-integrated, transparent media façade with the lowest energy consumption on the market?
Let us know, and we'll work with you to find a suitable partner for the construction and installation of your project.

Bas van de Kreeke

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BIPV Solutions for your project

FACADE APPLICATION

ROOF APPLICATION

CANOPY APPLICATION

SUNSHADE APPLICATION

BALUSTRADE APPLICATION

CARPORT APPLICATION

Endless possibilities !

BIPV CARPORTS

Power meets Protection

By integrating photovoltaic cells directly into overhead glazing, we create active shading devices. Our BIPV modules regulate light transmission, reduce solar heat gain (g-value), and generate **clean** electricity—all while maintaining the aesthetic purity of a carport.



Issol® Square



Jongeling - Carport

BIPV CARPORTS

Turn every parking space into a clean energy generator

Issol® Square



Replace standard canopy roofing with **energy-generating** safety glass. Ideal for residential villas and commercial car parks where maximising ROI per square metre is critical.



Pair your BIPV carport directly with an EV charging point, enabling vehicles to charge from the clean energy generated overhead — closing the loop between generation and consumption.

Carpark Italy - Milan



BIPV CARPORTS

Safety & standards

Issol® Square



Engineered for weather, load, and longevity carport structures are load-bearing and weather-critical elements.

ISSOL® modules are rigorously tested to ensure they perform as effective overhead protection structures across every season and climate.

- Impact Resistance
- EN 12600 (Pendulum Test)
- Snow & Wind Load
- Engineered for structural load requirements per site location
- Waterproofing
- Fully sealed system — no secondary underlay required
- Durability
- Laminated safety glass with EVA/PVB interlayer



BIPV CARPORTS

Light, shade & Energy



Maximum energy efficiency without compromising on design. ISSOL® SQUARE seamlessly integrates high-performance PERC monocrystalline solar cells into a clean, square grid pattern.

With adjustable light transmission from 10 to >60%, it is the definitive choice for carports. The bifacial option captures sunlight from both directions — including reflected light from the ground — enhancing performance in horizontal applications.



BIPV CARPORTS

Issol® Square



*Van de Kreeke HQ, Beekdalen
A large-scale deployment of semi-transparent solar carports,
turning every parking space into a renewable energy source for
the building or campus it serves.*

Natural Light

Semi-transparent glass creates a bright, welcoming space beneath while blocking harmful UV and heat.

EV Ready

Direct integration with electric vehicle charging infrastructure — charge your car with the energy it generates.

Bifacial Energy

Captures direct sunlight from above and reflected light from the ground surface below.

Fully Waterproof

Sealed gutter system with no underlay required — the glass roof IS the waterproofing layer.

BIPV CARPORTS

Integration options

COMPATIBLE WITH ALUMINIUM, STEEL, AND TIMBER FRAMES

Suitable for new builds and renovation projects alike. Custom sizing and powder-coated finish in any RAL colour ensures seamless integration with existing architectural language.

- Frame Aluminium — Qualicoat quality
- Standard colours RAL 9001 / 7016 / 8019 or custom
- Wiring Concealed inside profiles & members
- Depth range 2,956 mm – 6,576 mm
- Max panel width 4,350 mm



The transparent standard

The optimal choice for carports. The uniform grid pattern delivers natural light transmission while generating solar power overhead. Bifacial cells harvest reflected light from the ground surface, boosting yield by up to 20%.

Safety EN	12600 Impact Tested
Technology	Bifacial
Transparency	Adjustable (10% – 60%)
Integration	Alu / Steel / Timber



PRODUCT SOLUTION

Issol® Square Transparent Solution

Maximum energy efficiency without compromising on design? ISSOL® SQUARE seamlessly integrates high-performance PERC monocrystalline solar cells into a clean, square grid pattern. With a uniform aesthetic and adjustable light transmission (10 to > 60%), it's ideal for carports. It can be manufactured bifacial technology, capturing sunlight from both sides, enhancing performance - even in vertical applications.



[Click here to see our other BIPV applications](#)

Light, shade & energy

POWER OUTPUT

~150 Wp/m²

TRANSPARENCY

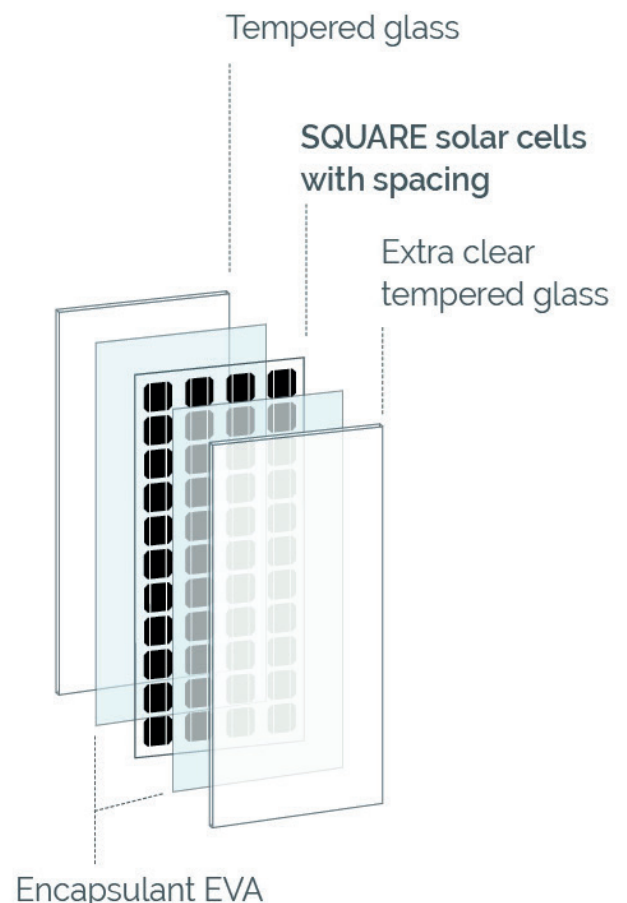
0% - 100%

FEATURE

Bifacial Option

SAFETY

EN 12600





Ready to bring your solar vision to life?

PROJECT WORKFLOW

01

DESIGN & LAYOUT

Optimizing cell spacing for privacy & light.

02

SAFETY ENGINEERING

Glass thickness & fixing calculations.

03

MANUFACTURING

Produced at SOLTECH, Belgium.

04

INSTALLATION

Coordination with carport installers.

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**We can turn anything
into a solar panel**