



GREENPORT

The future
parks here.



GREENoneTEC- Setting global standards.

COMPANY:
GREENoneTEC

GREENoneTEC has established itself as the global market leader in the production of thermal solar collectors and fastening systems in customised OEM designs. With headquarters in St. Veit an der Glan, Austria, the company has an impressive production capacity of 1.6 million m² of flat-plate collectors and exports more than 92% of its production to over 119 countries worldwide. In Europe, GREENoneTEC has a market share of more than 30%. The quality of its products is excellent and bears the "Made in Austria" seal of quality. The company is ISO 9001, ISO 14001 and ISO 45001 certified. GREENoneTEC successfully supplies large-area collectors for large-scale solar thermal power plants and inspires customers on the global market with revolutionary ICS systems, as well as with the new and innovative solar carport types Design and Easy.

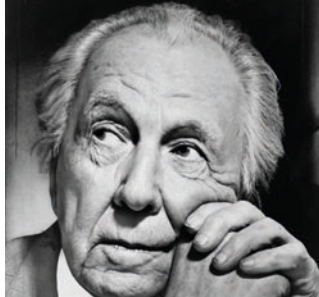
GREENPORT solar carports:
The future parks here

GREENoneTEC is setting another milestone in solar technology with its innovative and industrially manufactured solar carports and the unique concept of prefabricated module carriers. The GREENPORT solar carport was developed with the support of the expertise from solar pioneers, development engineers and product designers. It combines design, technology and sustainability in a unique way. With its innovative solar carports, GREENPORT is enhancing the value of conventional car parks. Car parks that are already covered are used effectively for sustainable energy generation. Our solar carports not only utilise the power of the sun to generate energy, but also protect vehicles from the wind and weather.



The inventor of the carport shaped the 19th century. Wright built free-standing covered car parking spaces next to residential buildings.

Frank Lloyd Wright
US architect



Photovoltaics is still a relatively young industry. Its founding principle, the photoelectric effect, was discovered in 1839.

Alexandre Edmond Becquerel
French physicist



"The way we act today determines what the world will look like tomorrow"

Robert Kanduth
Company Founder / Managing Director
GREENoneTEC Solarindustrie GmbH



Sustainable and green.

For a green future.

The sun's energy is a clean and infinite source for the generation of electricity, and will play an important role in the future. GREEN-PORT solar carports provide an effective opportunity to utilise the sun's energy, while also making parking more sustainable. By combining innovative solar technology and our functional carports, we are taking an important step towards a greener future in which we consciously choose an environmentally friendly solution. Our carports utilise covered surfaces for energy generation.

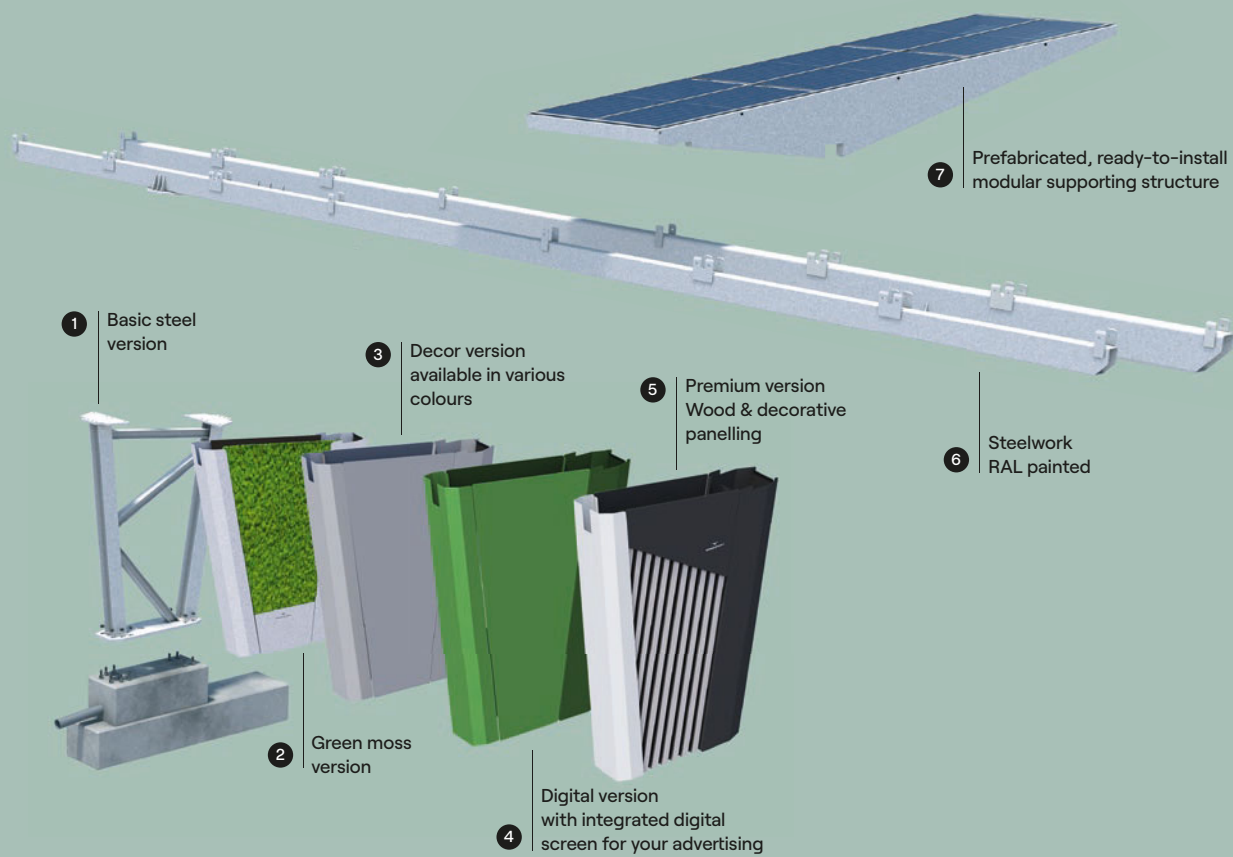
Solar carports as a
future-oriented investment.

Here is your parking spot for your ideas: Customisable design.

DESIGN *Line*



A carport doesn't have to be "just" a roof. With GREENPORT DESIGN, your carport is transformed into a design highlight that can be individually adapted to the most varied requirements. Whether as a simple roof or as a fully fledged car park with electric charging stations, advertising panels or LED lighting – the possibilities are virtually limitless. Every GREENPORT solar carport is individually designed and adapted to the needs of the customer.



GREENPORT DESIGN GLASS-ON-GLASS.

Top performance &
spectacular appearance

Bifacial glass modules from Austria ensure light transmission and an uncluttered design. Your solar carport thus becomes a visual power showcase. Bifacial cell technology allows light to be absorbed on both sides of the module, resulting in increased light output and thus greater efficiency of the module. By actively using the reverse side of the module, it is possible to boost the yield by up to 30%.

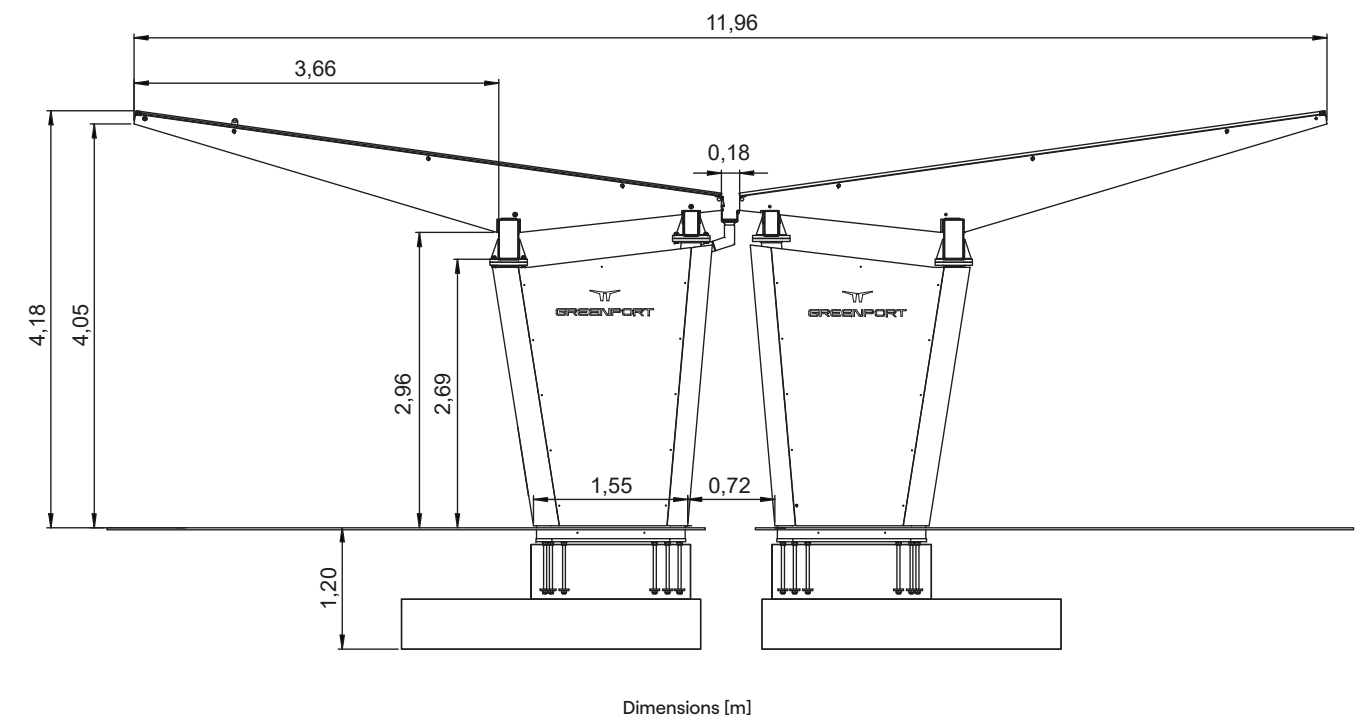
+30%



GREENPORT

Technical data

CARPORT / Type	GREENPORT Design
Roof cladding	Double glass solar modules (each with six modules pre-assembled on a modular supporting structure, ready for on-site installation)
Steel structure / surface	RAL painted
Corrosion protection	C3H / 15–25 years according to DIN EN ISO 12944
Horizontal width of roof surface, single side	5.89 m (with gutter 6.05 m)
Clearance under the carport	2.60 m
Clearance of carport when connected to the road	4.00 m
Parking space width	System designed for max. four car parking spaces between two supports with a system width of max. 2.85 m per parking space
Support spacing	Max. 11.40 m (axis), lateral overhang of the roof structure over the support max. 3.70 m (self-supporting)
Roof incline	8 degrees
Foundation	Reinforced concrete with the dimensions: block 3.00 x 1.30 x 0.50 m, and base 1.60 x 0.54 x 0.55 m, with an installation depth of -1.20 m
Integrated in the foundation	Connections for drainage DN125, electrical cables DN100 and required electrical grounding
Snow load	available with the same visual appearance with a snow load of up to 4.00 kN/m ²
Drainage (optional)	Box gutter 400 in powder-coated aluminium, available in two RAL colours



Powerful benefits under one roof.

GREENPORT

DESIGN
Line

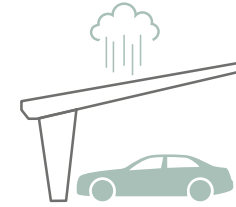
Your benefits.



Hail resistance HW4



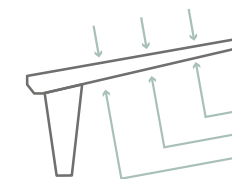
Snow load up to 4.0 kN/m²



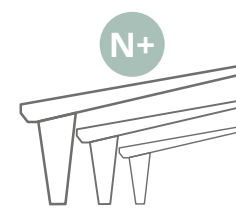
100% waterproof



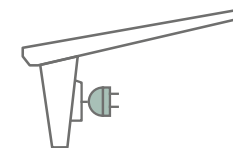
Weather and sun protection



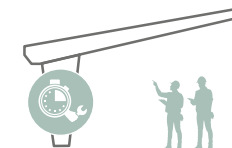
Bifacial cell technology



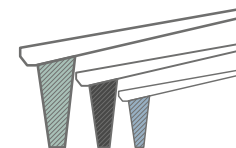
Can be expanded as required



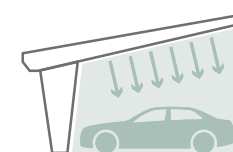
Optional: EV charging



Quick and easy installation



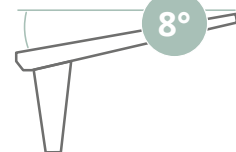
Customised design



Integrated LED lighting



Corrosion protection C3H

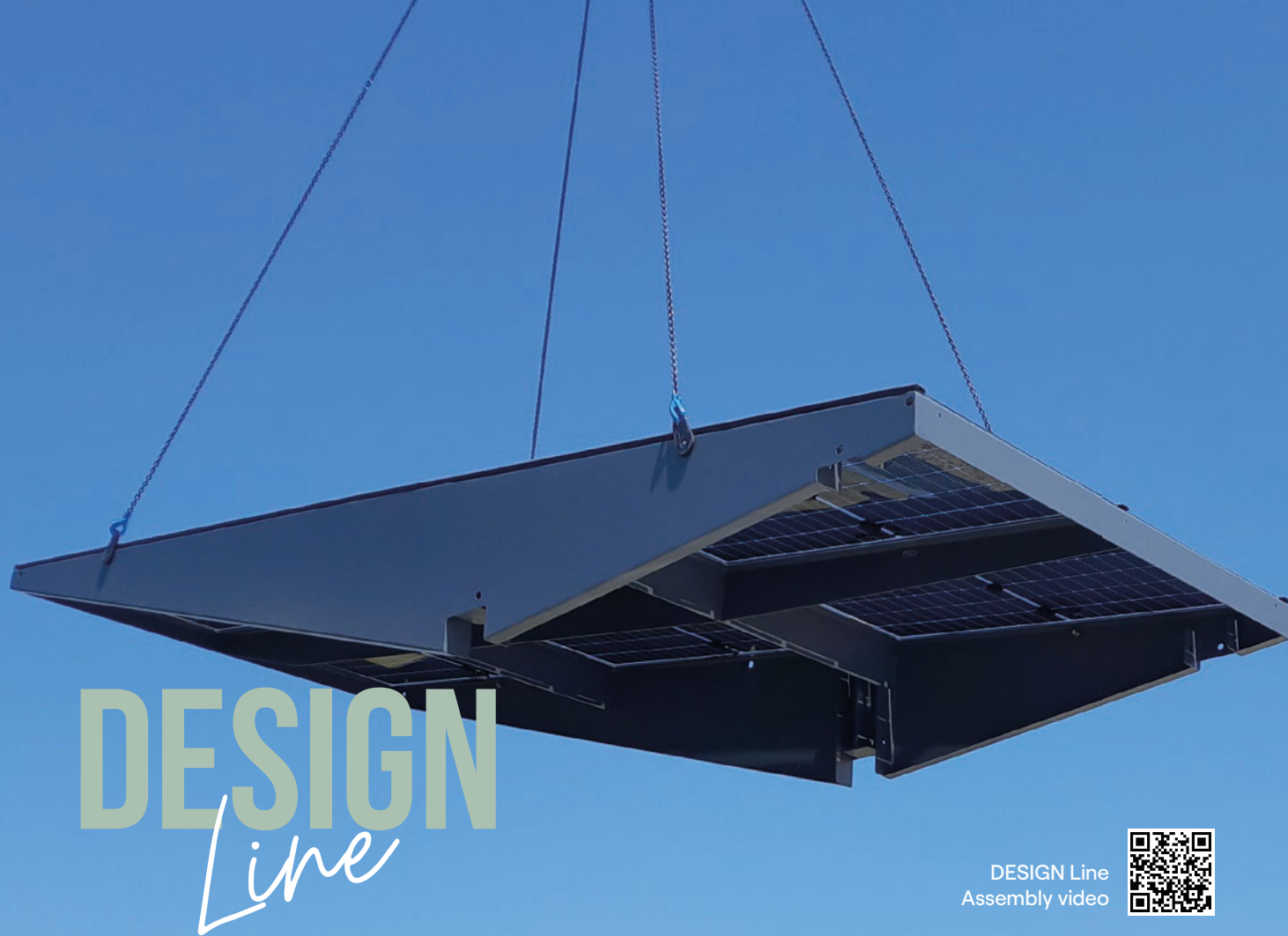


Roof incline

Choice of design lines for inspiration.



Alongside the option for a customised design, here at GREENPORT, we also offer a selection of design lines as inspiration.



DESIGN Line
Assembly video



EASY Line
Assembly video

Unique concept with prefabricated module carrier.

At GREENPORT, large and small projects can be implemented quickly, thanks to our innovative concept of pre-assembled module carriers. The module carriers, specially manufactured to industry standards, contain six PV modules, which are glued, screwed and silicone-coated in our production hall under optimum temperature and humidity conditions. Your benefit: shortest installation times on site and 100% water-tightness of the elements.



The benefits of module carrier in a nutshell.

- 100 % waterproof
- Quick, easy and all-weather installation
- No need to glue and seal the PV modules on the construction site
- Only structural steel work required
- Guarantee of rapid scalability

EASY *Line*



The simple,
inexpensive
solar carport
solution.

Two optional roof systems GREENPORT Easy.



EASY Trapezoidal

With this variant, a coated trapezoidal metal sheet forms the roof cladding on which any commercially available PV module can be mounted with a standard mounting system.

- 100% watertight
- Material thickness (sheet metal) 0.75 mm
- Surface painted on both sides
- Corrosion protection in accordance with DIN 55634/ DIN EN 10346

EASY Glass-on-glass

Here, the bifacial PV modules form the roof of your solar carport.

- 100% waterproof
- Glass-on-glass PV module 2x3 mm
- Light transmission 15%
- New TOPCON cell technology

Top side: Hairexel (60 my polyurethane) in RAL 9002

Surfaces
standard trapezoidal sheet metal

Underside: 25 my polyester in RAL 7016 (anthracite)



The appeal of effective screw foundations.

With Greenport Easy, screw anchors can be used as foundations. The impact on existing car park surfaces is minimal. The asphalt surface is only opened to an area of around 20 x 20 cm per screw foundation. The screw foundation work and the installation of your solar carport can therefore be carried out step by step. This ensures fast and cost-effective installation and effective project implementation.



Concealed connection support/screw foundation (flange plate screw head under road surface)



Visible connection support/screw foundation (flange plate screw head and support above roadway surface)

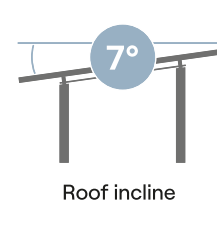
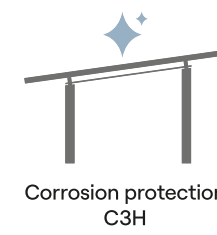
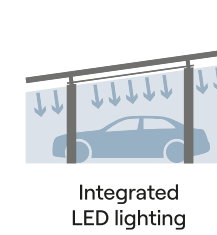
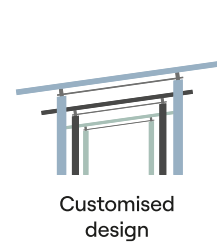
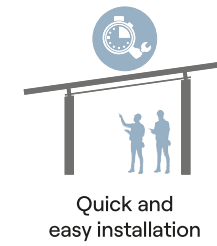
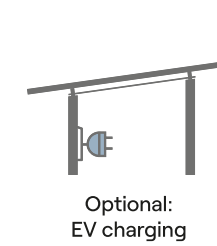
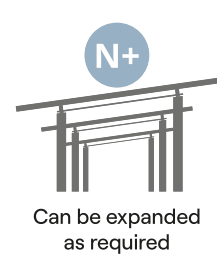
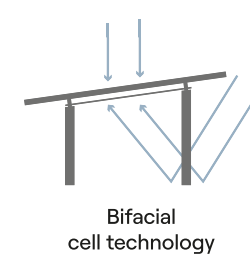
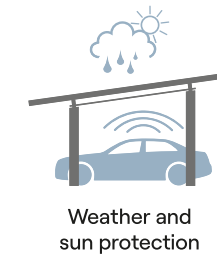
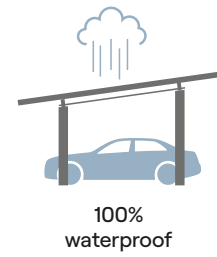
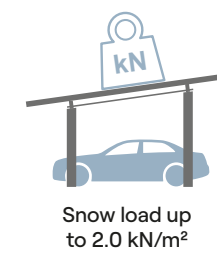
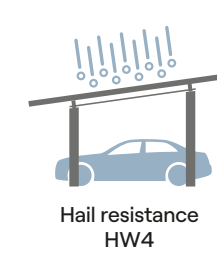


Easy parking, easy saving.



EASY
Line

Your benefits.



GREENPORT EASY GLASS-ON-GLASS.

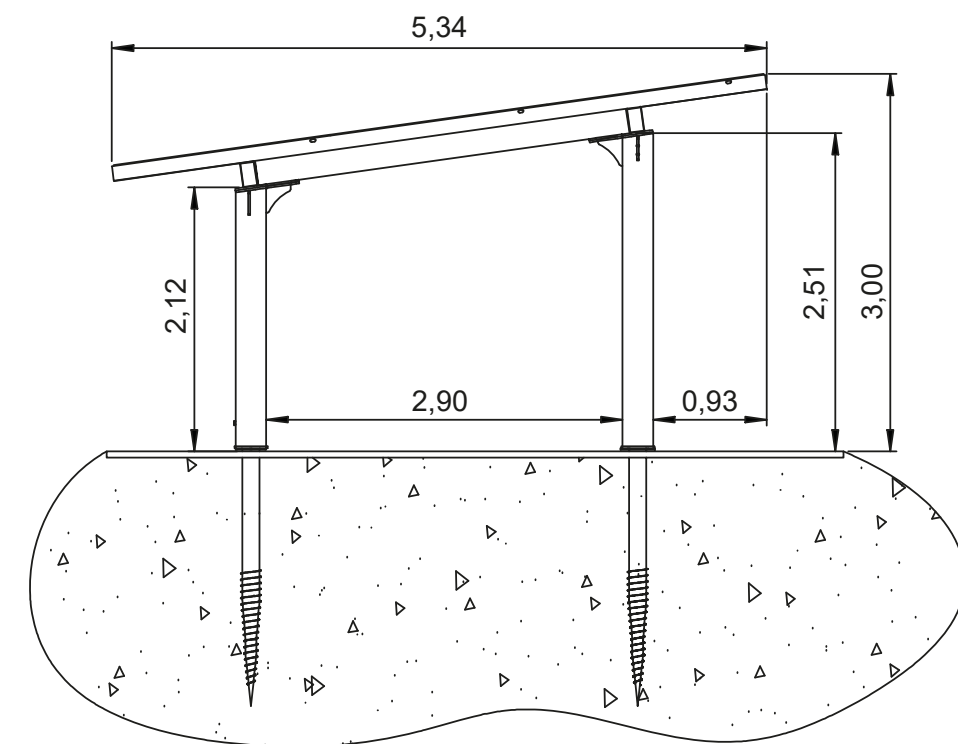
Delight your customers.

The GREENPORT Easy with the glass-on-glass module roof system provides you with state-of-the-art technology with bifacial modules for light transmission under the carport roof, attractive design and up to 30% more yield compared to single-sided PV panels. In addition to its minimal intrusion into the existing road surface and the use of screw foundations, it offers space for three parking spaces between the pillars and one overhanging parking space at each end of the row. The pillar arrangement makes it easy to drive in and easy to get in and out. Furthermore, the pre-assembled module carriers offer absolute water-tightness and guarantee the fastest possible installation on site.



Technical data

CARPORT / Type	GREENPORT Easy / Glass-on-glass
Roof cladding	by means of double glass solar modules pre-assembled on a substructure
Steel structure / surface	RAL painted
Corrosion protection / steel construction	C3H / 15-25 years according to DIN EN ISO 12944
Horizontal width of roof surface	5.34 m (with gutter 5.49 m)
Clearance under the carport	2.12 m
Clearance of carport when connected to the road	2.90 m
Parking space width	System designed for max. three car parking spaces between two supports with a system width of 2.50 m to 2.62 m per parking space
Support dimensions	150 x 250 mm
Roof incline	7 degrees
Foundation	Screw anchor or foundation according to geological soil conditions and static requirements Screw anchor installation depth of approx. 2.10 m
Electrical piping	Mounted on steel construction in DN32 mm
Snow load	available with the same visual appearance with a snow load of up to 2.0 kN/m ²
Drainage (optional)	with semicircular rain gutter 333 RAL 7016 coated

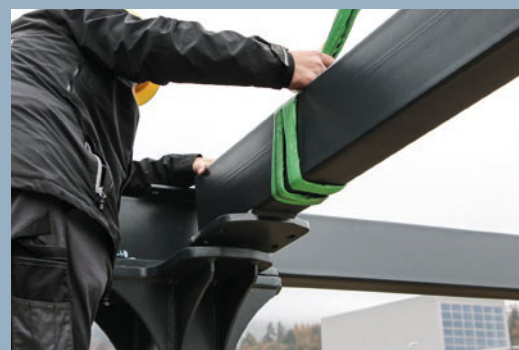
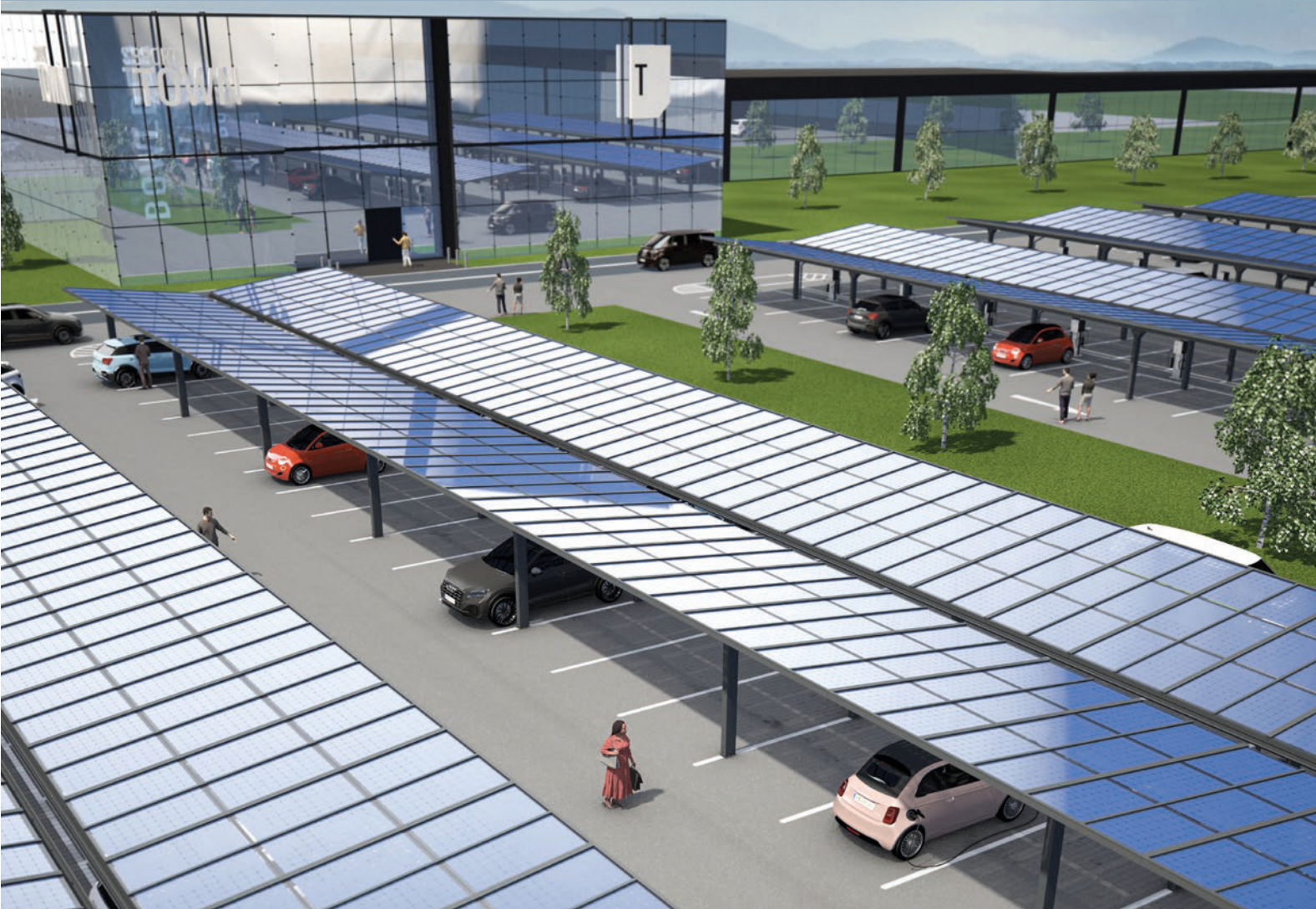


Dimensions [m]

GREENPORT EASY TRAPEZOIDAL.

The flexible roof system for every PV panel.

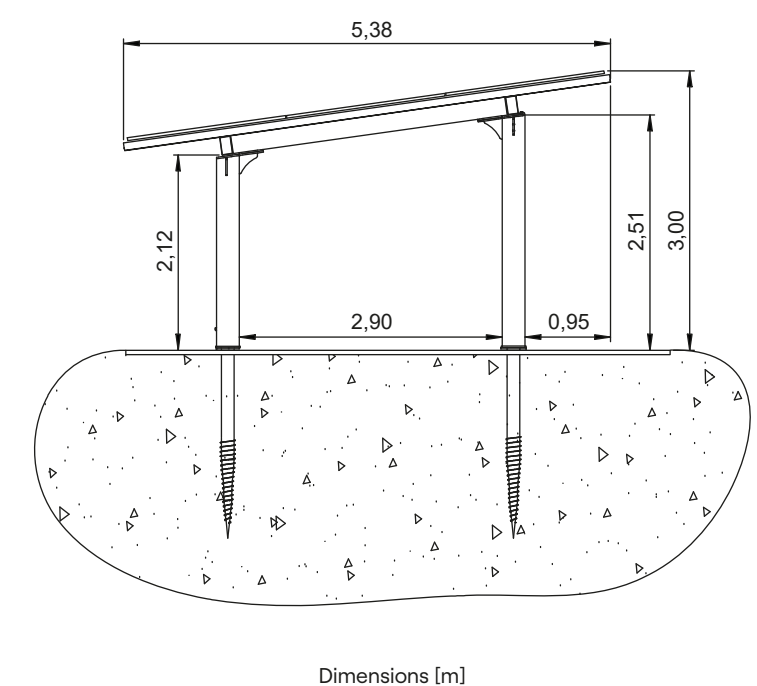
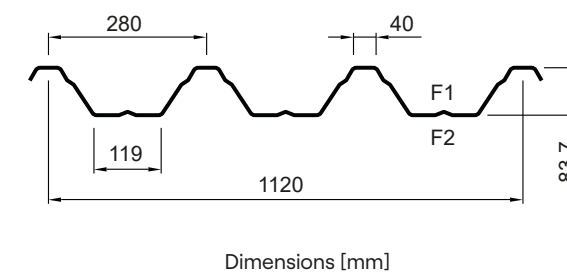
The GREENPORT Easy with the trapezoidal roof system offers worry-free water-tightness and allows you to use any type of PV module with conventional mounting systems. A special trapezoidal sheet surface coating withstands the highest levels of moisture and dirt. In addition to its minimal intrusion into the existing road surface and the use of screw elements, it offers space for three parking spaces between the pillars and one overhanging parking space at each end of the row. This is the most attractively priced variant in the GREENPORT family.



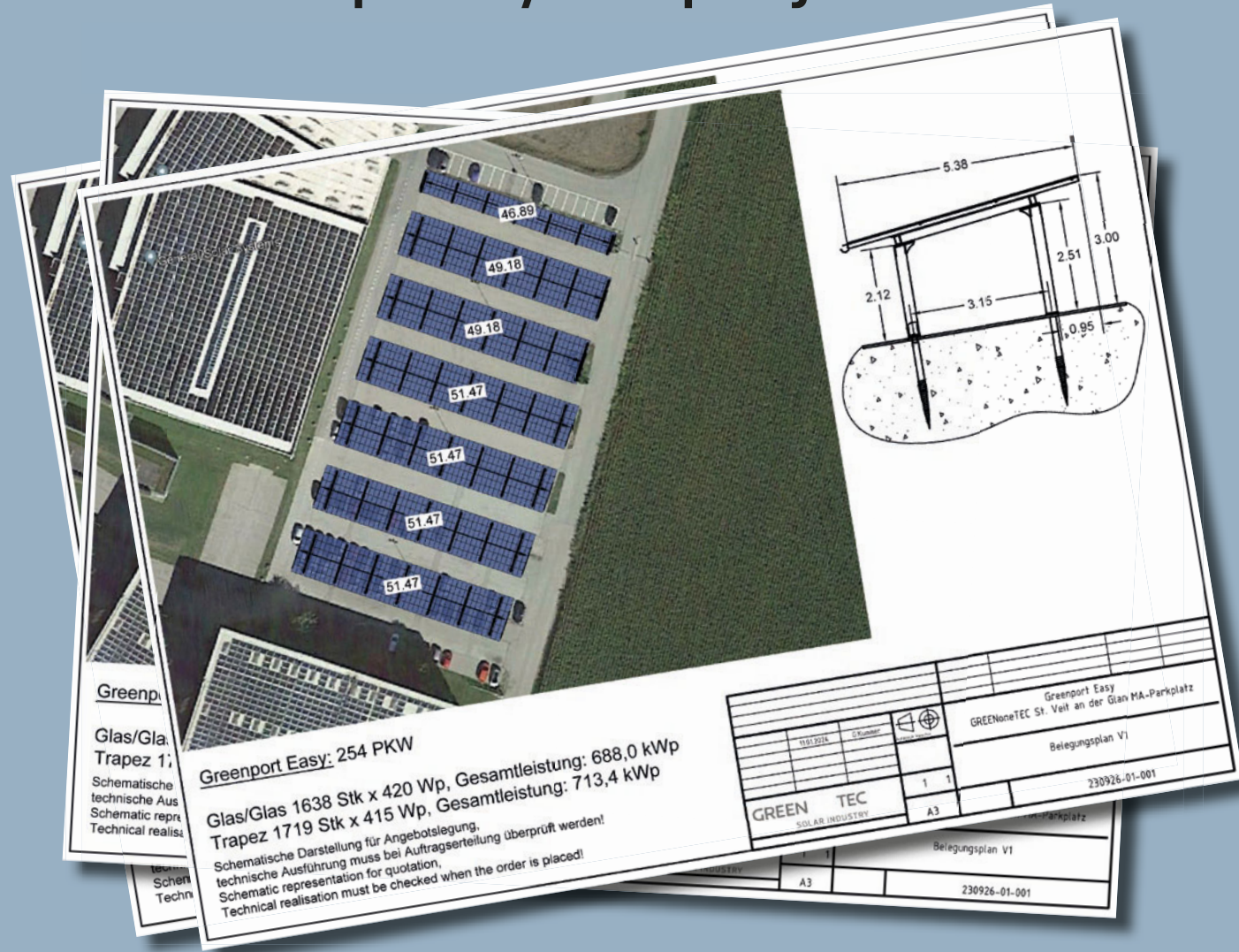
Technical data

CARPORT / Type	GREENPORT Easy / Trapezoidal
Roof cladding	by means of trapezoidal sheet metal (see details below)
Steel structure / surface	RAL painted
Corrosion protection / steel construction	C3H / 15–25 years according to DIN EN ISO 12944
Horizontal width of roof surface	5.38 m (with gutter 5.52 m)
Clearance under the carport	2.12 m
Clearance of carport when connected to the road	2.90 m
Parking space width	System designed for max. three car parking spaces between two supports with a system width of 2.50 m to 2.62 m per parking space
Support dimensions	150 x 250 mm
Roof incline	7 degrees
Foundation	Screw anchor or foundation according to geological soil conditions and static requirements Screw anchor installation depth of approx. 2.10 m
Electrical piping	Mounted on steel construction in DN32 mm
Snow load	available with the same visual appearance with a snow load of up to 2.0 kN/m ²
Drainage (optional)	with semicircular rain gutter 333 (RAL 7016 coated)

TRAPEZOIDAL SHEET METAL	Type 85/280T
Material	RAL/painted
Sheet thickness	0.75 mm
Coating / underside	RAL 7016 / 25 my
Coating / top side	Polyurethane / RAL 9002 / 60 my



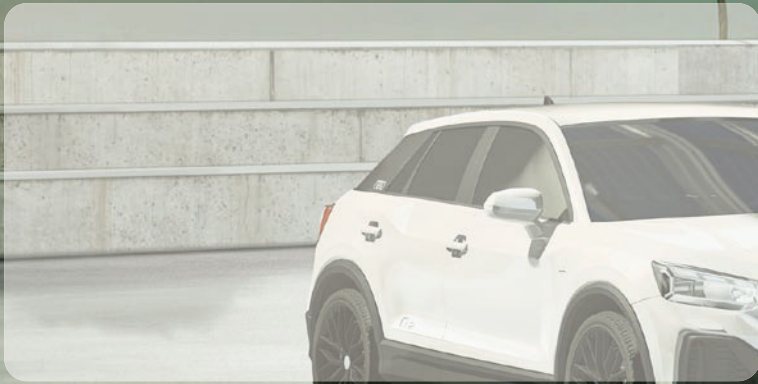
We plan your projects ...





Scan me for
more information.

Dealer




Dr. Claudia Netrval

Your contact person
GREENPORT business sector

GREENoneTEC Solarindustrie GmbH
Energieplatz 1, 9300 St.Veit/Glan, Austria
+43 (0) 664 96 28 427
claudia.netrval@greenonetec.com
www.greenport.solar



A product from **GREENoneTEC** 
SOLAR COLLECTORS