GREENPORT

HOME Glass/Glass

Solar carport system for single-family homes

The crane-free assembly of the industrially prefabricated components enables rapid installation. The high-performance, bifacial PV modules with 420 Wp are approved for overhead installation and are sealed in without silicone or adhesive.
The resulting maintenance-free and durable roof covering provides a weather-protected parking space and supplies your home with clean solar power.

- Bifacial double-glazed modules from Austria approved for overhead installation. Up to 30 % additional yield, 15 % light transmission and a visually sophisticated design.
- User-friendly and maintenance-free module installation concept. No gluing of PV modules on site, no maintenance joints in the roof covering.
- Minor intervention in the existing ceiling through point foundations.
- The high-quality steel construction is galvanized and painted. This results in durability and timeless design.
- The barrier-free design makes it easy to open the vehicle doors and get in and out.

Easy, smart parking at home - with GREENPORT HOME

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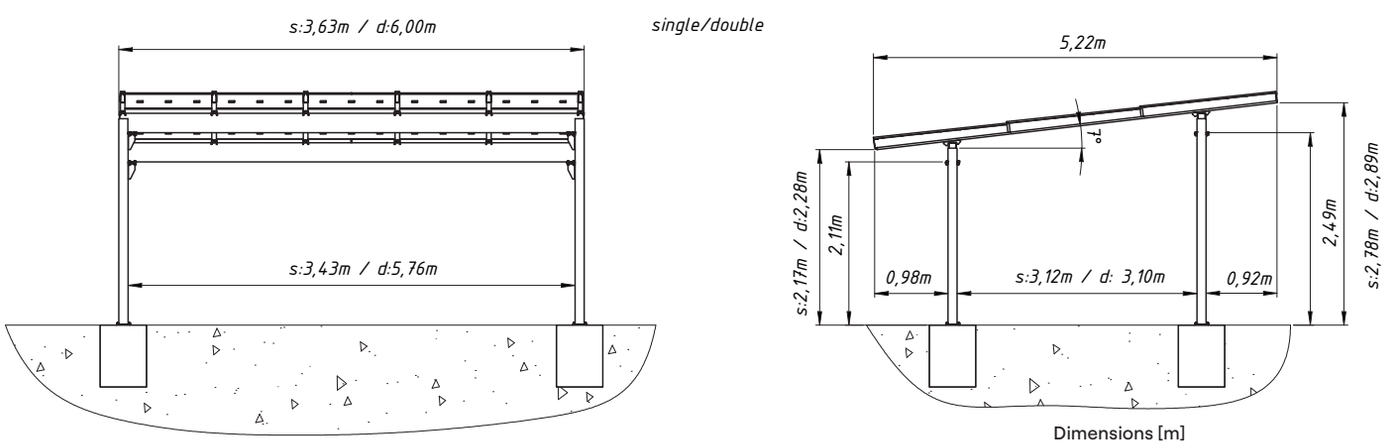
Design	GREENPORT HOME Glass/Glass	
Roof covering	DIBt-certified, bifacial double-glazed modules without frames	
Steel construction	according to EN 1090 - 1, EXC 2, evaluation group C	
Corrosion protection	Galvanized and painted in accordance with DIN EN ISO 12944/2018 in C3H, standard color RAL 7016	
Projected depth of the roof surface	single / double carport	5,22m / 5,22m
Clearance height on the lane side	single / double carport	2,78m / 2,89m
Front entrance height	single / double carport	2,49m / 2,49m
Clearance height total	single / double carport	2,11m / 2,11m
Parking lot width t	single / double carport	3,43m / 2,88m
Base	Point foundations according to foundation plan*, alternatively with screw foundations made of galvanized steel	
Electrical piping	within the construction	
Snow load	1,0 kN/m² oder 2,0 kN/m² with the same visual appearance	
Drainage (optional)	by means of aluminum gutter system, hanging gutter 333, drain pipe ⌀ 100 mm, powder-coated similar to RAL 7016	
Lighting (optional)	by means of light strips made of black anodized aluminium, with LED spots and integrated power supply, light color 3,000 K, incl. electrical and mounting material	

* Foundation plan for download at WWW.GREENPORT.SOLAR/EN/DOWNLOADS/
A necessary static calculation for the foundation always refers to the respective local conditions and can therefore not be made generally available.
If a foundation plan is required, please contact a specialist company.

Roof covering	Double-glazed modules without frame
PV power Single/double carport	approx. 3,8 kWp / approx. 6,3 kWp
Number of modules Single/double carport	9 pcs. / 15 pcs.
Roof pitch	7 Degree
Light transmission	15%

PV module	DIBt-certified, bifacial double-glass module without frame
Power per PV module	420 Wp
Efficiency	20,41 %
Dimensions (W x H x D)	1165 x 1766 x 7 mm, Glass thickness 2 x 3 mm
Weight	30,0 kg
Applicable standards	Conformity according to IEC 61215 and IEC 61730, IP 65, DIBt Z-70.3-266, Hail resistance class HW4
Performance guarantee	**min. 97 % in the first year, then max. reduction of 0.7 % p.a. up to 25 years**

Deutsches Institut für Bautechnik DIBt



Dimensions [m]