DATASHEET

Solar Carport

Power your home and charge your electric vehicle with a single first-class investment!

Outlasts your car!

- Waterproof
- Stormproof
- Snow load up to 1.5 kN (or 150 kg/m^2)
- Wind force up to 28 m/s

Power your home

Charge electric cars

Earn credit

Be more energy independent

Solar Carport Technical Data

Parking positions	1 or 2, depending on the carport model
Warranty	10-year product warranty
Roof slope	15°
Material	Galvanised steel S355
Snow load resistance	150 kg/m²
Wind load resistance	28 m/s
Frame color	Black
Timber cladding color	Mahogany, White, Heather, Hazelnut
EV charger	Integrated 22 kW (optional)

Integrated EV Charger

Manufacturer	VOOL
Charge power	up to 22 kW
Nominal voltage	230 V
Nominal current	32 A, 3-phase
Vehicle connection	type 2 (IEC 62196)
Safety protection	RCD type A (30 mA), DLM
Operating temperature	-25 to +45 °C
EV charging compliance	EN 61851-1:2001 EN 61851-21:2002 EN 61851-22:2002

Inverter

Manufacturer	Hoymiles
Quantity per carport	2-4 pcs
Maximum input voltage	65 V
Maximum input current	4 x 15 A
CEC peak efficiency	96.5%
Weight	4.7 kg
Enclosure rating	IP67
Monitoring	S-Miles Cloud

We recommend using microinverters. However, string inverters can also be used.

Solar Panel Technical Data (STC)

Panel	Solar Full Roof™ Plus	
Power output (Wp)	390	400
Open circuit voltage VoC (V)	40.69	41.30
Short circuit current Isc (A)	12.21	12.34
Maximum power voltage Vmpp (V)	33.88	34.39
Maximum power current Impp (A)	11.52	11.64
Module efficiency (%)	20.3	20.8
Cell type	Monocrystalline	
Number of cells	120	
Weight with Click-on™ frame (kg)	23.93	
Dimensions	1754 x 1096 x 30 mm	
Snow load	5400 Pa (550 kg/m²)	
Wind load	2400 Pa (244 kg/m²)	
Warranty	25-year linear output warranty	
Certificates	IEC 61215, IEC 61730 ISO 9001:2015, ISO 14001:2015, ISO 45001:2018	
Quantity	10-20 pcs, depending on the carport model	

Installation

Three installation methods, contingent on surface conditions. Installation according to local ground and regulations.

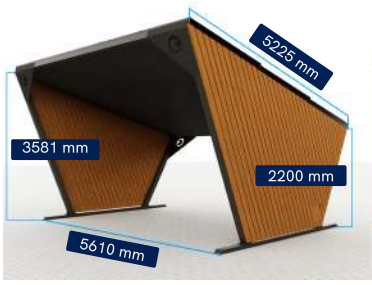
Method A: Ground screws

Method B: Earth anchors

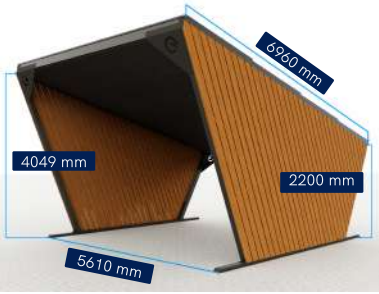
Method C: Foundation

Drawings & Dimensions

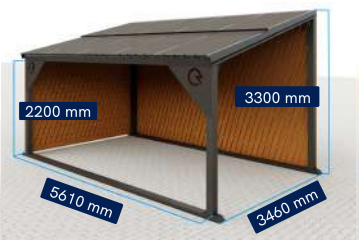
Solar Carport Modern™
5,85 kW



Solar Carport Modern Plus™
7,8 kW



Solar Carport Classic Single™
3,9 kW



Solar Carport Classic Duo™
5,85 kW