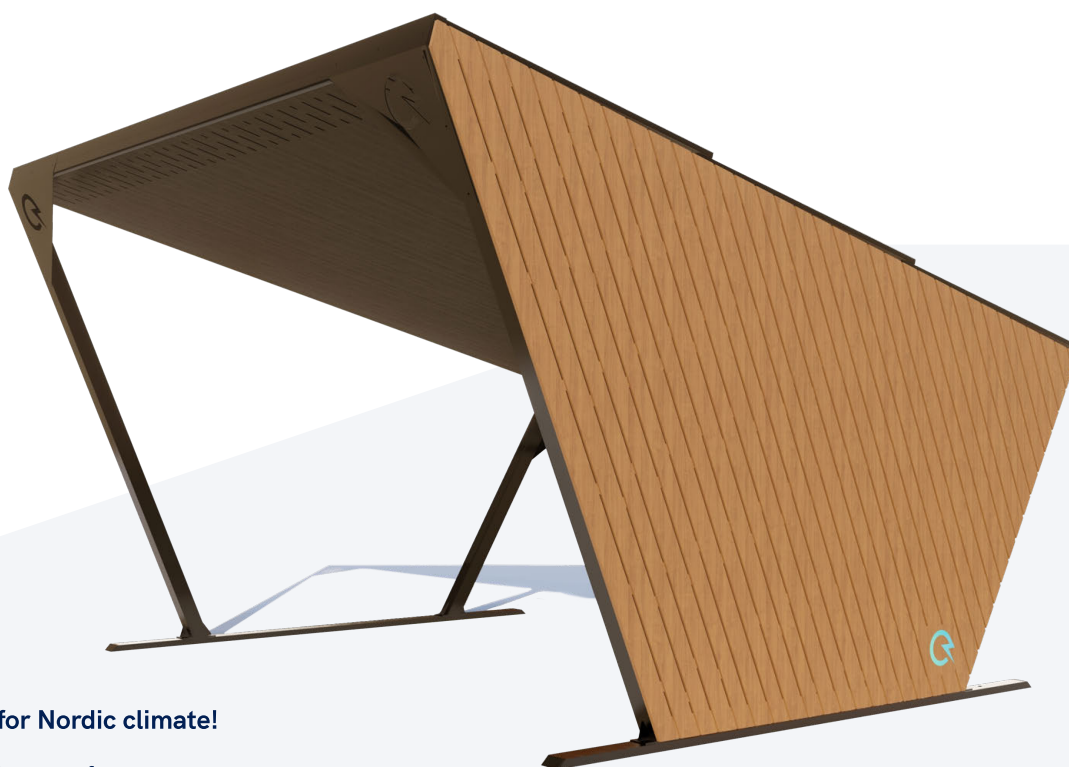


TECHNICAL DATASHEET

Solar Carport

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



Made for Nordic climate!

- Waterproof
- Stormproof
- Snow load up to 1.5 kN (or 150 kg/m²)
- Wind force at least 2 x 20 kN (or 21 m/s)

Solarstone®'s Solar Carport is a **smart and sustainable** building-integrated PV solution that provides energy for your home and protects your cars with high-efficiency solar panels.

Decades of electricity generation and vehicle protection are yours to enjoy - all this from a carport that ultimately pays for itself.



Power your home



Charge electric cars



Earn credit



Be more energy independent

CARPORT TECHNICAL DATA

Parking positions	1 or 2, dependent upon selected model
Warranty	10-year product warranty
Roof slope	15°
Material	Metal
Snow load resistance	150 kg/m ²
Wind load resistance	2 x 20 kN (or 21 m/s), can be increased
Frame color	Black
Timber cladding color	Mahogany, White, Heather, Hazelnut
LED lights	Integrated
EV charger	Integrated 22 kW (optional)

SOLAR PANEL TECHNICAL DATA

Manufacturer	Risen
Power output	390 W
Quantity	10-18 pcs, dependent upon selected model
Cell type	Monocrystalline
Number of cells	120
Module efficiency	20.3%
Weight	21 kg
Dimensions	1754 x 1096 x 30mm
Snow load	5400 Pa (550 kg per panel)
Wind load	2400 Pa (244 kg per panel)
Warranty	25-year output warranty



INVERTER



Manufacturer	Hoymiles
Quantity per one 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 be used.

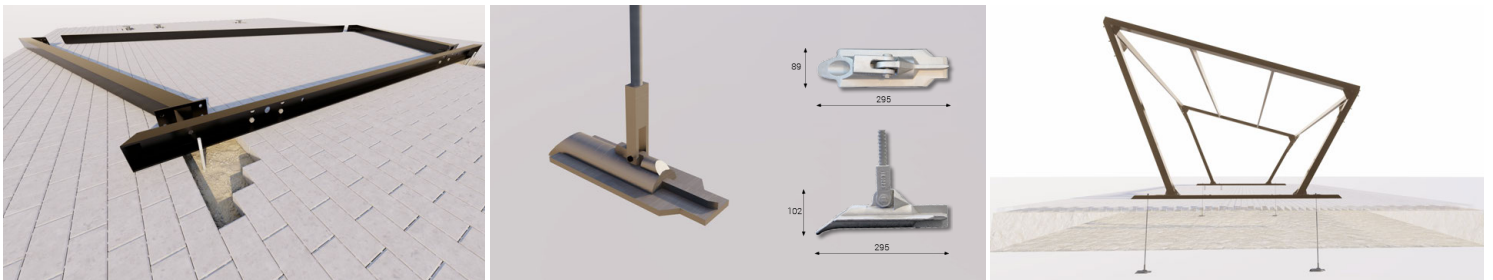
EV CHARGER



Manufacturer	Solarstone
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

INSTALLATION

Installation depends on the surface conditions. Installation according to local ground and regulations. Earth anchoring is the preferred solution, with anchors driven 2m deep into the ground.



DRAWINGS

