

Roofing system

Glass glass module for roofing applications and carports

350 Wp bifacial

KIOTO
SOLAR

*NEW! Energy & function
with design*

More and more companies and private persons change to electric mobility. Perfect because the carport is not only protecting the car from environmental influences but also provides the electric car with free power from the sun. An E-Carport with two parking spaces has 15 modules installed - this means 5 kWp of power. Also applicable for other roofing applications.

Advantages:

- // Brings light into the carport - use of glass glass modules for your carport roof
- // Complete system including substructure & sealing of the modules
- // Modular set-up starting with 2 parking lots
- // Junction box integrated on the edges of the module
- // Also applicable for other roofing applications



ROOFING SYSTEM

KPV GE 350MoR VSG6 BF KD

Module specifications

| Type | Pmpp _[Wp] | Ump _[V] | Impp _[A] | Uoc _[V] | Isc _[A] | efficiency rate | area per kWp |
|--------------|----------------------|--------------------|---------------------|--------------------|--------------------|-----------------|--------------------|
| 350 bifacial | 350 Wp | 39,80V | 8,80A | 47,38V | 9,35A | 17,1% | 6,36m ² |

Electrical data

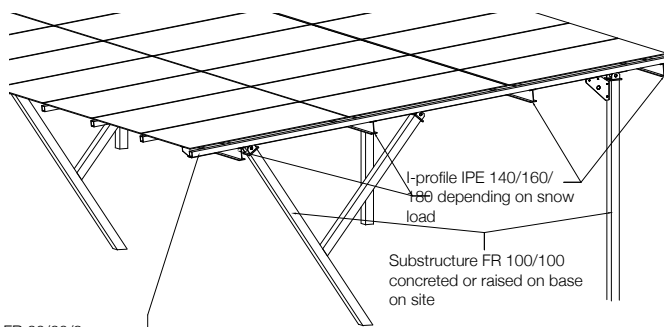
| | |
|----------------------------------|--|
| 72 crystalline cells | 156mm x 156mm |
| Connecting System | Tyco junction box integrated on the edges |
| Max. system voltage | 1000V DC |
| Power tolerance | (+ 5 W / - 0 W) Measurement: STC (standard test conditions) |
| Temperature coefficients | mono: Pmpp -0,397%/K Uoc -0,32%/K Isc +0,047%/K |
| Max. reverse over current | 15A |
| Ambient temperature | +85°C up to -40°C |
| Efficiency guarantee | min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years |
| Product guarantee | 12 years |

Technical data

| | |
|----------------------------|--------------------------------------|
| Size | 2020 mm x 1015 mm x 13 mm (+/- 2 mm) |
| Weight | 60 kg |
| Glass specification | VSG 6mm |
| Backside material | VSG 6mm |
| Packaging | 10 modules/pal. |

Carport data

| | |
|----------------------|---|
| Material | Steel construction, all parts hot-dipped, mounting material corresponds with norm |
| Pitch | 5° slope in 2 nd axis can be balanced up to 3° with intelligent bolt system |
| Sealing | Rubber pad, cover rail Alu nature with rubber seal or bitumen sealing tape with sheet metal cover and special glass glue (2 sealing layers) |
| Transmittance | 14% |



FR 60/60/3
Glass support 2cm on whole length right & left
Glass dimension approx. 2x1m



Integrated junction box:
Perfect design: the junction box is already integrated on the edges of our glass glass module for carports.

The set includes: 345 Wp roofing modules, Fronius inverter, over-voltage conductors, foundation, substructure, installation of the carport, installation of modules and electro until inverter