### **Solar Module**

# Glas-72 without frame

360 Wp bifacial (efficiency up to 430 Wp)



NEW! Energy & function with one design

More and more companies and private persons change to electric mobility. Perfect because the carport is not only protecting the car from environmental infl uences 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
- // Decentralized junction box integrated
- // Also applicable for other roofing applications





www. kiotosolar.com

## GLASS-72 WITHOUT FRAME KPV GML NEC 360Wp bifacial (efficiency up to 430 Wp)

#### **Module specifications**

	Pmpp <sub>[Wp]</sub>	Umpp <sub>[v]</sub>	Impp <sub>[A]</sub>	Uoc[v]	Isc <sub>[A]</sub>	efficiency	area per kWp
360 Wp bifacial	360 Wp	40,77 V	8,83 A	48,67 V	9,42 A	17,6%	5,7m²

#### **Electrical data**

72 crystalline, bifiacial cells	157mm x 157mm		
Connecting System	Decentralized junction box (3 pcs.), MC4 $-$ connectors 4 mm <sup>2</sup>		
Max. system voltage	1000V DC		
Power tolerance	(+5W/-0W) Measurement: STC (standard test conditions)		
Temperature coefficients	Pmpp –0,42 %/K Uoc –0,32 %/K Isc +0,047 %/K		
Max. reverse over current	15 A		
Umgebungstemperatur	+85°C up to -40°C		
Cable length	2 x 350mm		
Efficiency guarantee	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years		
Product guarantee	12 years		

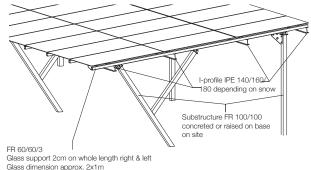
#### **Technical data**

incl. frame	2020mm x 1015mm x 13mm (+/- 2 mm)			
Weight	60kg			
Glass specification	VSG 6mm			
Backside material	VSG 6mm			
Packaging	15 modules / pal.			

#### **Carport Data**

Material Inclination	Steel construction, all parts hot-dipped, mounting material correspons with norm Inclination 5° slope in 2nd axis can be balanced up to 3° with intelligent bolt system
Sealing	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%

#### Carport





#### Bifacial cell technology

- // up to 360 Wp overall performance
  thanks to active module back side
  // Use of PID-resistent module
- // Use of PID-resistent modul
   components
- // LID-effect nearly 0%// Use of 60 high-efficiency bifacial-cells
- // extremely solid thanks to laminated safety glass

The customer carries the sole responsibility the the goods ordered and delivered are suitable for his purposes. Applicational advices, whether verbal, in writing or by making tests are conducte to the best of KIDTO Photovoltaics GmbH's knowledge, whether verbal, in writing or by way of trials or otherwise, is provided to the best of our knowledge, but without any guarantee or liability. Special technical constructions may be subject to of ficial approval. The constructor or the client is responsible for obtaining such of ficial approval. The customer must bear any costs caused by changes or alterations because of special technical constructions, especially for tests or calculations. A project-related, static pre-dimensioning as well as the correct use of the glasses was not carried out or tested by us. Measurement tolerance ±3%