Solar Module

Glass-60 with frame 310 Wp bifacial (efficiency up to 360 Wp)



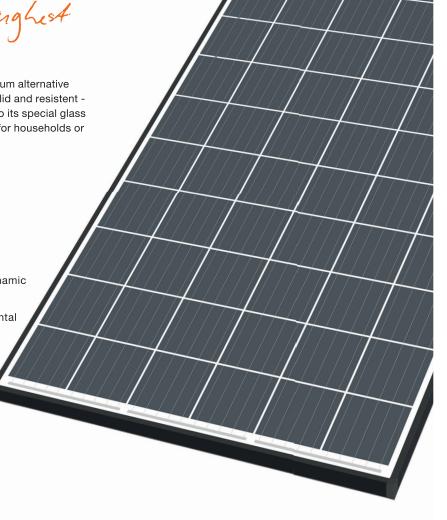
SONVENKRAFT

EXTREME! For the toughest applications

The glass glass module from KIOTO SOLAR ist the premium alternative for onroof or free-standing PV systems. It is extremely solid and resistent also against extreme environmental infl uences. Thanks to its special glass compount system it is extremely durable. It can be used for households or large-scale applications!

Advantages:

- // Extremely solid: improved cell protection against dynamic load due to glass on the backside
- // Extremely resistant: also against extreme environmental influences, less pollution
- // Extremely durable: special glass compound system
- // Extreme fire-resistance class because of double glazing
- // Extremely efficient: up to 360 Wp efficiency due to bifacial cell technology
- // Intelligent black frame concept for technical safety and nice design













GLASS-60 WITH FRAME

KPV GME NEC 310 Wp bifacial (efficiency up to 360 Wp)

Module specifications

Туре	$Pmpp_{[Wp]}$	$Umpp_{[v]}$	$Impp_{[A]}$	Uoc _[v]	Isc _[A]	efficiency rate	area per kWp
310 mono/bifacial	310 Wp	32,91 V	9,42 A	39,28 V	9,85 A	18,76%	5,33 m ²

Electrical data

60 crystalline cells 157mm x 157mm

Decentralized connecting concept (3 pcs.), MC4 - plug in connector 4 mm² **Connecting System**

Max. system voltage

(+5W/-0W) Measurement: STC (standard test conditions) Power tolerance Temperature coefficients Pmpp -0,42 %/K Uoc -0,32 %/K Isc +0,047 %/K

Max. reverse over current 15 A

Operation temperature +85°C up to -40°C Cable length 2 x 350mm **Bypass diodes** 3 pcs.

Efficiency guarantee min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years

Product guarantee

Technical data

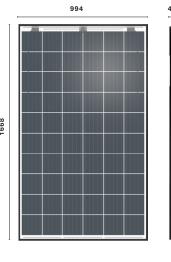
incl. frame 1668mm x 994mm x 40mm (+/- 2 mm)

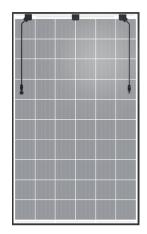
21kg Weight

Glass specification Front: 2mm / Back: 2mm

Test certificate IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65

Packaging 24 modules / pal., 720 modules/truck







Surplus for glass glass modules

20 years surplus guarantee

+30% surplus effi ciency thanks to bifacial cell technology

Bifacial cell technology

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