Solar Module

Glass-60 without frame

310 Wp bifacial (efficiency up to 360 Wp)



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 influences. 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





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GLASS- 60 WITHOUT FRAME KPV GML NEC 310 Wp bifacial (efficiency up to 360 Wp)

Module specifications

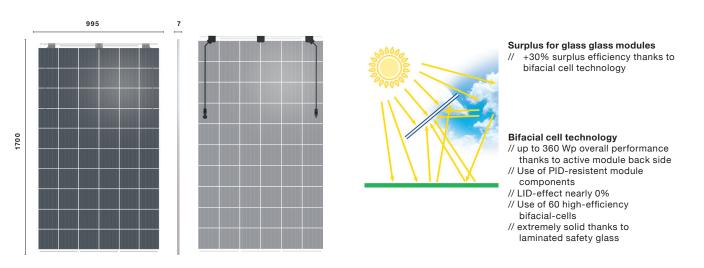
Туре	Pmpp _[Wp]	Umpp _[v]	Impp _[A]	Uoc _[v]	Isc _[A]	efficiency rate	area per kWp
310 mono/bifacial	310 Wp	32,91 V	9,42 A	39,28 V	9,85 A	18,76%	5,33 m²

Electrical data

60 crystalline cells	157mm x 157mm				
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Connecting System	Decentralized connecting concept (3 pcs.), MC4 — plug in connector 4mm ²				
Max. system voltage	1000V DC				
Power tolerance	(+ 5 W / - 0 W) 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				
Operation temperature	+85°C bis –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	12 years				

Technical data

incl. frame	1700mm x 995mm x 7mm (+/- 3 mm)
Weight	27,5kg
Glass specification	Front: 3mm / Back: 3mm
Test certificate	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65
Packaging	15 modules / pal., 420 modules / truck



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 KIOTO 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%