Solar Module

Glass-60 without frame 265 Wp poly 300 Wp mono 300 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 GE 265 Wp poly KPV GE 300 Wp mono KPV GE 300 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
265 poly	265 Wp	32,87 V	8,06 A	38,46 V	8,54 A	15,70 %	6,41 m²
300 mono/bifacial	300 Wp	33,09 V	9,07 A	39,69 V	9,46 A	18,01%	5,55 m²

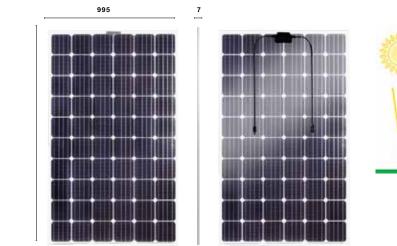
Electrical data

60 crystalline cells Connecting System Max. system voltage Power tolerance	156mm x 156mm Tyco-PV4,, MC4 - compatible plug in connector 4 mm ² 1000V DC (+ 5 W / - 0 W) Measurement: STC (standard test conditions)					
Temperature coefficients	poly: mono:	Pmpp –0,41 %/K Pmpp –0,42 %/K	Uoc –0,31%/K Uoc –0.32%/K	lsc +0,057%/K lsc +0.047%/K		
Max. reverse over current	15A					
Operation temperature	+85°C up to -40°C					
Cable length	2 x 1.000mm					
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	5				

Technical data

incl. frame	1700 mm x 995 mm x 7 mm (+/- 3 mm)
Weight with/without frame	27,5 kg
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	25 modules / pal.





Surplus for glass glass modules

20 years surplus guarantee // +30% surplus efficiency thanks to // bifacial cell technology

Bifacial cell technology

- up to 360 Wp overall performance 11 thanks to active module back side 11 Use of PID-resistent module
- components 11
- LID-effect nearly 0% 11 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 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%