

## Solar Module

### Glass-60 with frame

265 Wp poly

300 Wp mono

300 Wp bifacial (efficiency up to 360 Wp)

KIOTO  
SOLAR

*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 resistant - also against extreme environmental influences. Thanks to its special glass compound 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 frame concept with nice design and perfect technology

**20**  
years  
surplus  
guarantee!

360° glass-glass module  
with bifacial  
cell technology



GLASS-60 WITH FRAME

KPV GE 265 Wp poly

KPV GE 300 Wp mono

KPV GE 300 Wp bifacial (efficiency up to 360 Wp)

Module specifications

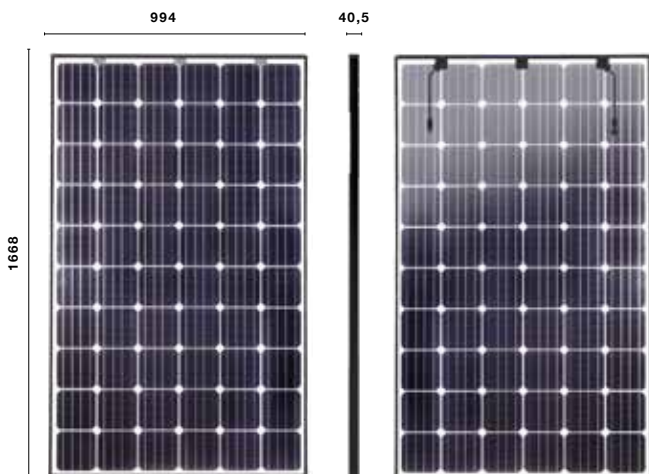
Type	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	Impp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate	area per kWp
265 poly	265 Wp	32,87 V	8,06 A	38,46 V	8,54 A	15,70 %	6,41 m <sup>2</sup>
300 bifacial/bifacial	300 Wp	33,09 V	9,07 A	39,69 V	9,46 A	18,01%	5,55 m <sup>2</sup>

Electrical data

<b>60 crystalline cells</b>	156mm x 156mm
<b>Connecting System</b>	Decentralized connecting system (3 pcs.), MC4 plug in connector 4 mm <sup>2</sup>
<b>Max. system voltage</b>	1000V DC
<b>Power tolerance</b>	(+ 5 W / - 0 W) Measurement: STC (standard test conditions)
<b>Temperature coefficients</b>	poly: Pmpp -0,41%/K Uoc -0,31%/K Isc +0,057%/K mono: Pmpp -0,42%/K Uoc -0,32%/K Isc +0,047%/K
<b>Max. reverse over current</b>	15A
<b>Operation temperature</b>	+85°C up to -40°C
<b>Cable length</b>	2 x 200 mm
<b>Bypass diodes</b>	3 pcs.
<b>Efficiency guarantee</b>	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years
<b>Product guarantee</b>	20 years

Technical data

<b>incl. frame</b>	1668 mm x 994 mm x 40,5 mm (+/- 3 mm)
<b>Weight with/without frame</b>	21 kg
<b>Glass specification</b>	Front: 2 mm / Back: 2 mm
<b>Test certificate</b>	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65
<b>Packaging</b>	24 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 thanks to active module back side
- // Use of PID-resistant module 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 conducted 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 official 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%