

## Solar Module

### Glass-60

260 Wp poly

285 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 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

**20**  
years  
surplus  
guarantee!

360° glass-glass module  
with bifacial  
cell technology



GLASS-60

KPV GE 260 Wp poly  
 KPV GE 285 Wp mono  
 KPV GE 300 Wp bifacial

Module specifications

Type	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	I <sub>mp</sub> <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate	area per kWp
260 poly	260Wp	32,28 V	8,05 A	38,46 V	8,53 A	15,70 %	6,41 m <sup>2</sup>
285 mono	285Wp	32,63 V	8,74 A	38,73 V	9,18 A	17,12%	5,85 m <sup>2</sup>
300 bifacial	300 Wp	33,09 V	9,07 A	39,69 V	9,45 A	18,01%	5,55 m <sup>2</sup>

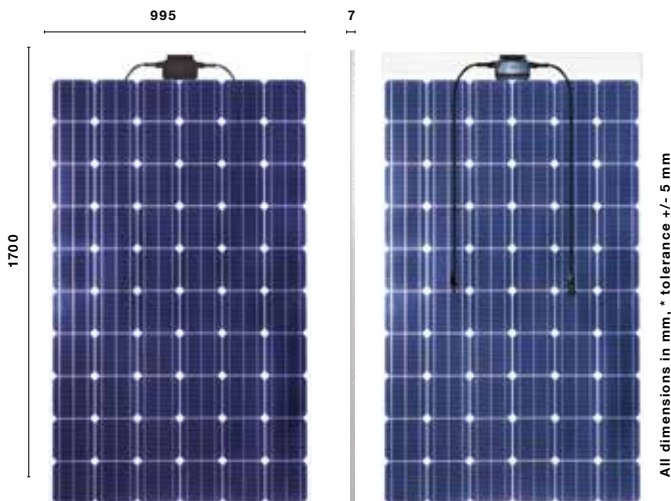
Electrical data

<b>60 crystalline cells</b>	156mm x 156mm
<b>Connecting System</b>	Tyco-PV4, MC4 - compatible 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 1000mm
<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 with frame / 12 years without frame



Technical data

<b>Size without frame</b>	1700 mm x 995 mm x 7 mm (+/- 3 mm)
<b>Size with frame</b>	1679 mm x 992 mm x 40 mm (+/- 3 mm)
<b>Weight with/without frame</b>	21 kg / 27,50 kg
<b>Glass specification</b>	Front: 3mm / Back: 3mm
<b>Encapsulation material</b>	STRE
<b>Backside material</b>	Isovoltaic, Dunmore
<b>Test certificate</b>	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65
<b>Packaging</b>	25 modules / pal. (without frame) 23 modules / pal. (with Rahmen)



**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%