

## Solar Module

### Glass-60 without 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 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



GLASS-60 WITHOUT FRAME

KPV GE 265 Wp poly

KPV GE 300 Wp mono

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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 mono/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>	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 1.000mm
<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>	12 years

Technical data

<b>incl. frame</b>	1700 mm x 995 mm x 7 mm (+/- 3 mm)
<b>Weight with/without frame</b>	27,5 kg
<b>Glass specification</b>	Front: 3mm / Back: 3mm
<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.

995

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**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