

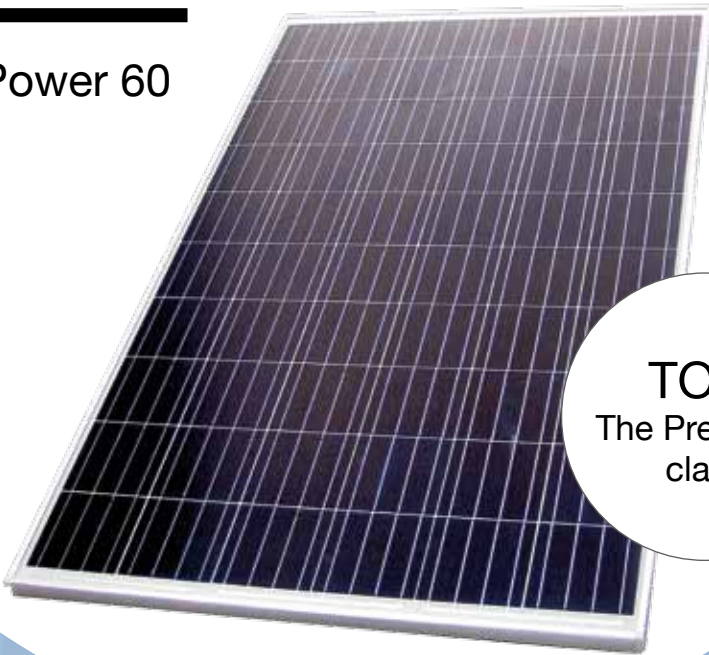
KIOTO  
SOLAR

# SOLAR MODULE

260 / 265 / 270 Wp poly

280 / 285 / 290 / 300 Wp mono

Power 60



TOP!  
The Premium-  
class

## Advantages of KIOTO modules:

1. Product warranty of 12 years and a linear performance warranty for 25 years
2. Use of PID-resistant module components
3. Extremely solid (5400 Pa), nevertheless very light module construction (less than 20 kg)
4. Use of high quality components from nameable deliverers
5. Intelligent frame concept for technical safety, flexibility and homogeneous design
6. Optimized weak light behaviour

KIOTO photovoltaic modules surpass all the quality standards stipulated in European markets. The products are manufactured exclusively in Austria using the very latest equipment. Our solar modules are delivered with innovative aluminium frames for flexible mounting options. These output and yield optimized solar modules are designed mainly for the use in on grid systems.



# Power-60 KPV PE NEC 260 / 265 / 270 Wp poly

# KPV ME NEC 280 / 285 / 290 / 300 Wp mono

kiotosolar.com

## MODULE SPECIFICATIONS

Type	P <sub>mpp</sub> [W <sub>p</sub> ]	U <sub>mpp</sub> [V]	I <sub>mpp</sub> [A]	U <sub>oc</sub> [V]	I <sub>sc</sub> [A]	efficiency rate	area per kWp
KPV 260 PE poly	260 Wp	31,10 V	8,37 A	37,99 V	8,90 A	15,73 %	6,36 m <sup>2</sup>
KPV 265 PE poly	265 Wp	31,60 V	8,40 A	38,01 V	8,94 A	16,03 %	6,23 m <sup>2</sup>
KPV 270 PE poly	270 Wp	32,18 V	8,42 A	38,33 V	9,03 A	16,34 %	6,12 m <sup>2</sup>
KPV 280 ME mono	280 Wp	31,42 V	8,95 A	37,98 V	9,29 A	16,94 %	5,90 m <sup>2</sup>
KPV 285 ME mono	285 Wp	31,86 V	8,98 A	38,02 V	9,43 A	17,24 %	5,79 m <sup>2</sup>
KPV 290 ME mono PERC	290 Wp	31,99 V	9,07 A	38,12 V	9,55 A	17,55 %	5,69 m <sup>2</sup>
KPV 300 ME mono PERC	300 Wp	32,28 V	9,29 A	38,23 V	9,69 A	18,15 %	5,50 m <sup>2</sup>

## ELECTRICAL DATA

60 crystalline cells:	156 mm x 156 mm
Connecting System:	Tyco-PV4, MC4 - compatible plug in connector 4 mm <sup>2</sup>
Max. Systemspannung:	1000 V DC
Power tolerance:	(+ 5 W / - 0 W) Measurement: STC (standard test conditions)
Temperature coefficients:	poly: P <sub>mpp</sub> = -0,405 %/K / U <sub>oc</sub> = -114 mV/K / I <sub>sc</sub> = +4,1 mA/K mono: P <sub>mpp</sub> = -0,37 %/K / U <sub>oc</sub> = -90,7 mV/K / I <sub>sc</sub> = +2,85 mA/K
Temperature coefficients:	+ 85 °C to - 40 °C
Cable length:	2 x 1000 mm
Bypassdioden:	3 pcs. Tyco SL1515
Efficiency guarantee:	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years
Product guarantee:	12 years

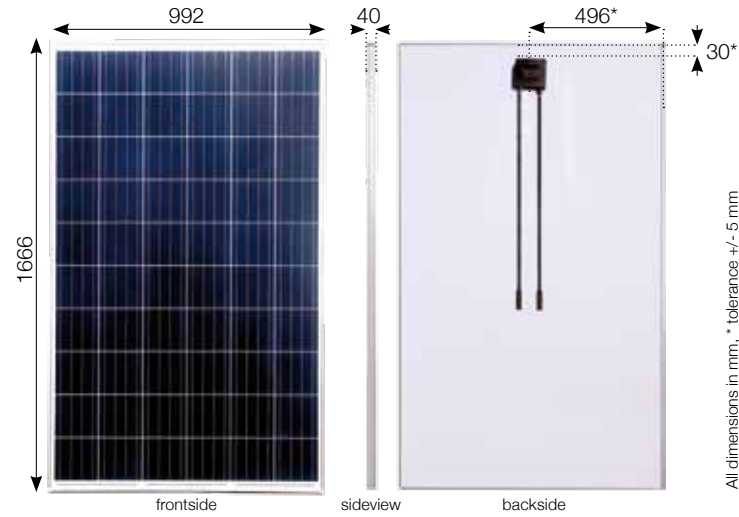


## TECHNICAL DATA

With aluminium frame:	1666 mm x 992 mm x 40 mm (+/- 2 mm)
Laminate:	1659 mm x 985 mm x 4,5 mm (junction box height 22,5 mm)
Weight with/without frame:	19,50 kg / 17,50 kg
Glass specification:	Solar glass ESG 3,2 mm with high-strength antireflective coating
Encapsulation material:	STRE
Backside material:	Isovoltaic
Test certificate:	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65, MCS - Zertifikat
Extended hail test:	Grainsize 25 mm, max. velocity of 46 m/s (165,6 km/h) and Grainsize 55 mm, max. velocity of 33,5 m/s (120,6 km/h)
Salt mist corrosion test:	A minimum of 96 hours continuous exposure to a highly concentrated salt mist
Ammonia resistance:	1500h atw 750ppm Ammonia concentration
Packaging:	24 modules / pal.



**BlackBlack**  
Also available with black backsheet and frame



All dimensions in mm, \* tolerance +/- 5 mm

### Intelligent frame concept

- New 40 mm frame with plastic edge connectors
- Robust structure and optimized weight
- No sharp edges

