

## Solar Module

KIOTO  
SOLAR

### Power MAXIM Plus

275/280 Wp poly

300/310 Wp mono

*SMART! Full power, no matter what happens!*

The intelligent Power MAXIM Plus photovoltaic module is the perfect solution for systems with potential shading, pollution or suboptimal orientation. Single-string connections and the clever Maxim can enable the control of

### *Advantages:*

- // Efficient: More efficiency thanks to 6-times optimization  
Single-string connection and Maxim junction box enable the regulation of every single cell row  
No loss of power because of shadowing
- // Easy: Compatible with every inverter  
No additional equipment necessary  
Module optimizes itself
- // Flexible: Can be installed with every orientation  
Suitable for all roofs
- // Durable: Elimination of Hot Spots  
optimized module degradation,  
module life-time is increased

PLUS



**MI** maxim  
integrated.

*Full power,  
no matter  
what  
happens.*



POWER MAXIM PLUS-60

# KPV PE NEC 275/280 Wp poly

# KPV ME NEC 300/310 Wp mono

## Module specifications

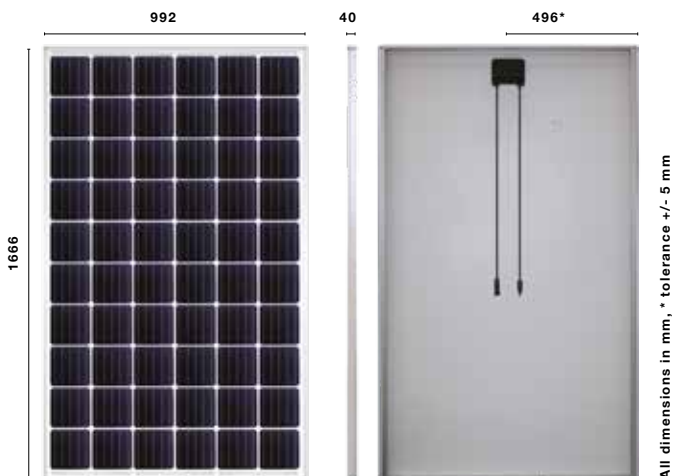
Type	Pmpp <sub>[Wp]</sub>	Umpp <sub>[V]</sub>	Impp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate	area per kWp
275 poly	275 Wp	32,24 V	8,53 A	35 V	9,08 A	16,64%	6,00m <sup>2</sup>
280 poly	280 Wp	32,61 V	8,59 A	35 V	9,13 A	16,94%	5,90m <sup>2</sup>
300 mono PERC	300 Wp	32,28 V	9,29 A	35 V	9,69 A	18,15%	5,50m <sup>2</sup>
310 mono PERC	310 Wp	32,91 V	9,42 A	35 V	9,85 A	18,76%	5,33m <sup>2</sup>

## Electrical data

<b>60 crystalline cells</b>	156mm x 156mm
<b>Connecting System</b>	Maxim-Zerun, with original MC4 connectors
<b>Max. system voltage</b>	1000V DC
<b>Power tolerance</b>	(+5W/-0W) Measurement: STC (standard test conditions)
<b>Temperature coefficients</b>	poly: Pmpp -0,405%/K Uoc -114mV/K Isc +4,1mA/K mono: Pmpp -0,37%/K Uoc -90,7mV/K Isc +2,85mA/K
<b>Max. reverse over current</b>	15A
<b>Operation temperature</b>	+85°C bis -40°C
<b>Cable length</b>	2 x 1000mm
<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. aluminium frame</b>	1666mm x 992mm x 40mm (+/-2mm)
<b>Weight with frame</b>	20,00 kg
<b>Glass specification</b>	Solar glass ESG 3,2 mm with high-strength antireflective coating
<b>Encapsulation material</b>	Vistasolar
<b>Backside material</b>	Dunmore
<b>Extended hail test</b>	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)
<b>Salt mist corrosion test</b>	A minimum of 96 hours continuous exposure to a highly concentrated salt mist
<b>Ammonia resistance</b>	1500h at 750ppm Ammonia concentration
<b>Packaging</b>	24 modules / pal.



**Intelligent junction box**

- // Regulation of every single cell row
- // Compatible with every inverter
- // No additional equipment necessary

