

## Glass-foil solar module

# Power-60 HC MAXIM

370Wp HC

365Wp HC black



A brand of  
**SONNENKRAFT**

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

KIOTO Modules of the POWER-60 HC MAXIM series aren't just intelligent, it 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 every single cell row. The intelligent junction box is compatible with every inverter.

### *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 shading
- // 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



POWER-60 HC MAXIM

# KPV 370Wp HC Maxim

# KPV 365Wp HC Maxim black

## Module specifications

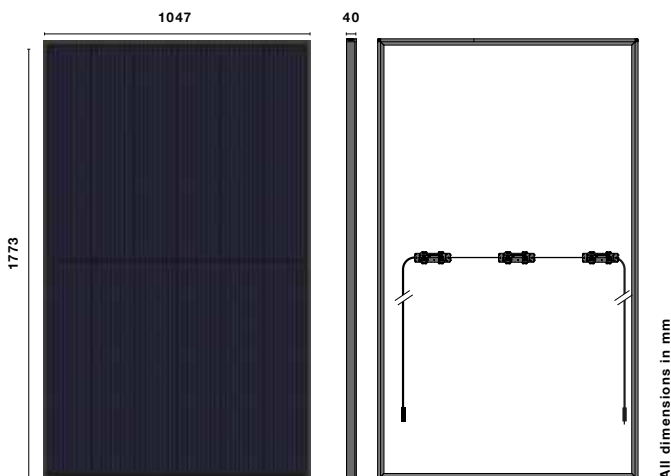
POWER-60 HC Maxim	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	Impp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate <sub>[%]</sub>	area per kwp <sub>[m²]</sub>
370Wp	370Wp	35,01V	10,57A	35,10V	11,10A	19,93%	5,02m²
POWER-60 HC Maxim black	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	Impp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate <sub>[%]</sub>	area per kwp <sub>[m²]</sub>
365Wp	365Wp	34,91V	10,51A	35,10V	11,03A	19,66%	5,09m²

## Electrical data

<b>Cells</b>	120 cells (6 x 20); 166 x 83mm halfcut (9 busbar)
<b>Connection system</b>	decentralized Maxim-Zerun junction box with original Stäubli MC4 connectors
<b>Max. output current in MPPT mode</b>	13A
<b>Max. output current in short-circuit mode</b>	4A
<b>Max. output current in short circuit mode</b>	1000V DC
<b>Max. system voltage</b>	
<b>Power tolerance</b>	(+5W/-0W) Measurement: STC (standard test conditions)
<b>Temperature coefficients</b>	Pmpp -0,36%/K Uoc -0,28%/K Isc +0,059%/K
<b>Maximum reverse current</b>	15A
<b>Operation temperature</b>	+85°C up to -40°C
<b>Cable length</b>	2 x 1150mm
<b>Optimizing chips</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>Dimensions</b>	1773 x 1047 x 40mm (+/- 2mm)
<b>Weight</b>	20,30kg
<b>Optical design</b>	Standard: black anodized frame, backsheet: front and back white Black: black anodized frame, backsheet: front black, back white
<b>Glass specification</b>	Solar glass Interfloat Deflect 3,2mm
<b>Applicable standards</b>	IEC 61215 (Testload: 5400 Pa; Designload: 3600 Pa); IEC 61730; IP 65
<b>Extended hail test</b>	Qualification for HW4
<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., 672 modules/truck



**Anti-glare DEFLECT glass:**

- // Light Transmission 94.9%
- // Front light reflection <20,000cd/m² (Black version)
- // low reflection



**Intelligent junction box**

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

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%