

## Glass-foil solar module

# Power-60 HC

370Wp HC

365Wp HC black



A brand of  
**SONNENKRAFT**

## *TOP! The premium class*

KIOTO modules of the POWER-60 HC series are delivered with an innovative aluminium frame for flexible mounting options. These output and yield optimized solar modules are designed mainly for the use in on grid systems.

### **Less light reflection:**

All POWER-60 HC modules are delivered with a special, low-reflection Deflect solar glass. The black design edition of the module is perfectly suitable for regions where less light reflection is necessary e.g. next to airports, roads or multi-family homes.

## *Advantages:*

- // 12 years product warranty and 25 years linear performance warranty
- // Innovative 9 Busbar half-cut technology with optimized module connection - higher efficiency in case of shading
- // Use of PID-resistant module components
- // Highest load capacity at low module weight
- // Intelligent framework concept for technical security, flexibility and homogeneous design



Photovoltaics >>Made in Austria<<



POWER-60 HC

# KPV 370Wp HC

## KPV 365Wp HC black

### Module specifications

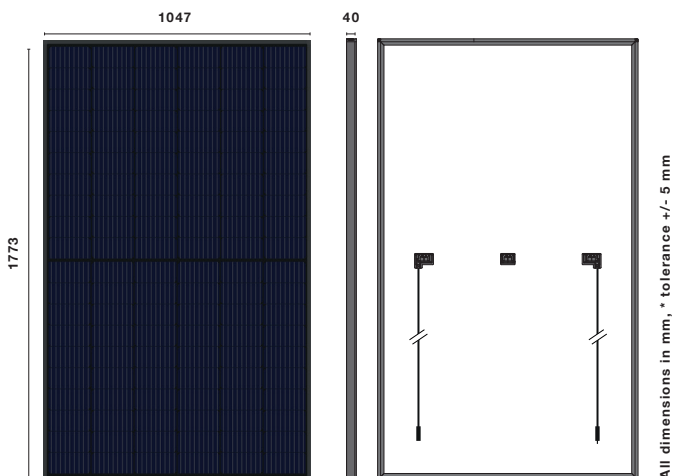
POWER-60 HC	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	Impp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate	area per kwp
370Wp	370Wp	35,01V	10,57A	40,86V	11,10A	19,93%	5,02m <sup>2</sup>
<b>POWER-60 HC black</b>							
365Wp	365Wp	34,91V	10,51A	40,74V	11,03A	19,66%	5,09m <sup>2</sup>

### Electrical data

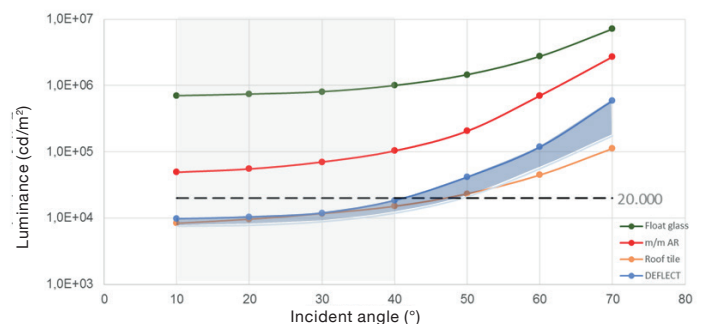
<b>Cells</b>	120 cells (6 x 20); 166 x 83mm halfcut (9 busbar)
<b>Connecting System</b>	decentralised junction box with Original Stäubli MC4 connectors
<b>Max. system voltage</b>	1000V DC
<b>POWER-60 HC tolerance</b>	+5W / -0W (Measurement: STC (standard test conditions))
<b>Temperature coefficients</b>	Pmpp -0,36%/K Uoc -0,28%/K Isc +0,059%/K
<b>Max. reverse over current</b>	15A
<b>Operation temperature</b>	+85°C up to -40°C
<b>Cable length</b>	2 x 1150mm
<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>Dimensions</b>	1773 x 1047 x 40mm (+/- 2mm)
<b>Weight</b>	20,30kg
<b>Design</b>	Standard: black anodized frame, Backsheet: front and back white Black: black anodized frame, Backsheet: front black, back white Solarglass Interfloat Deflect 3,2mm
<b>Glass specification</b>	
<b>Test certificate</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



**Special DEFLECT glass:**  
 // Light transmission 94,9%  
 // Light reflection front side <20,000cd/m<sup>2</sup>  
 // less light reflection



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%