Glass-foil solar module

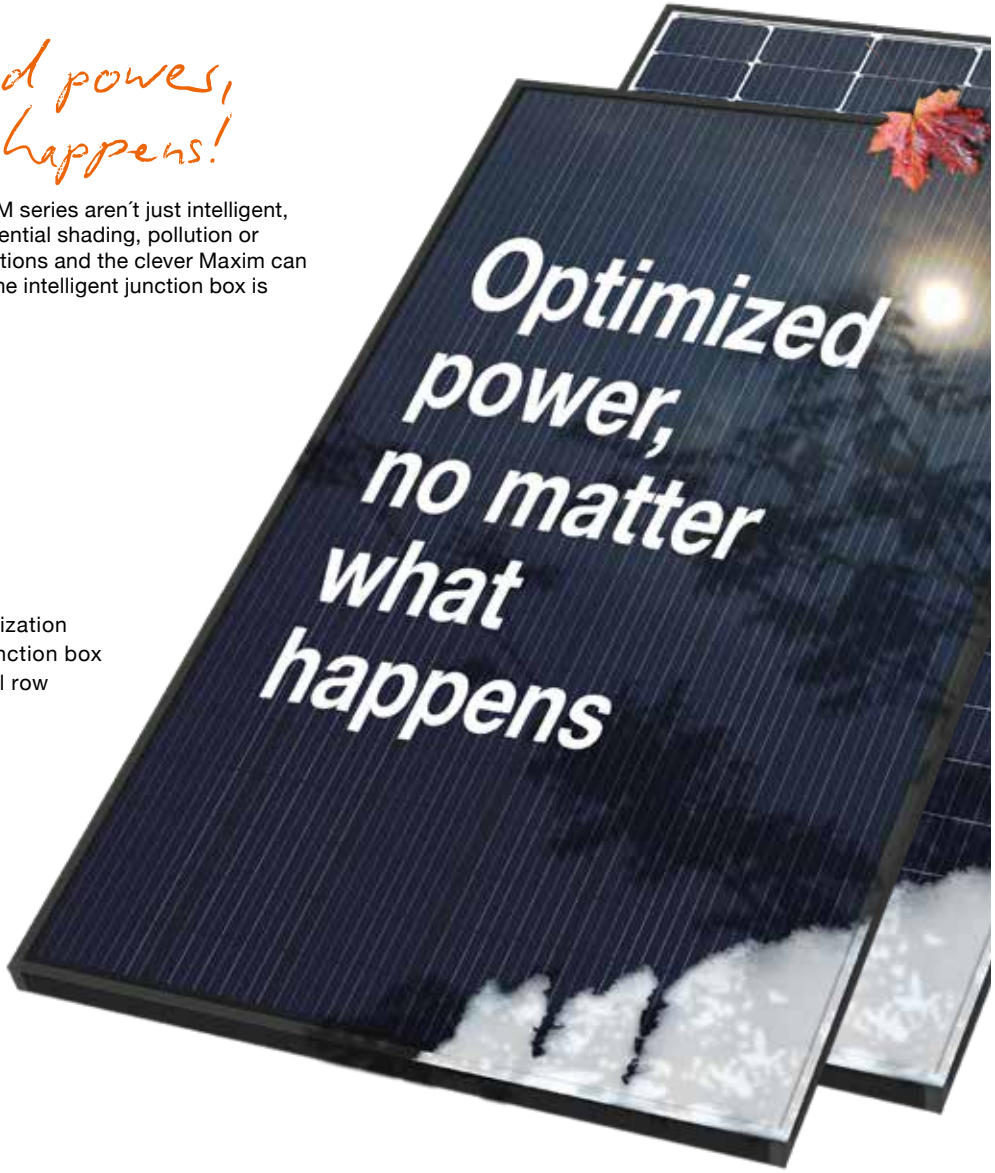
Power-60 HC MAXIM

370Wp HC
365Wp HC black

KIOTO SOLAR
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 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

Photovoltaik aus Österreich AUSTRIA

POWER-60 HC MAXIM

KPV 370Wp HC Maxim
KPV 365Wp HC Maxim black

Module specifications

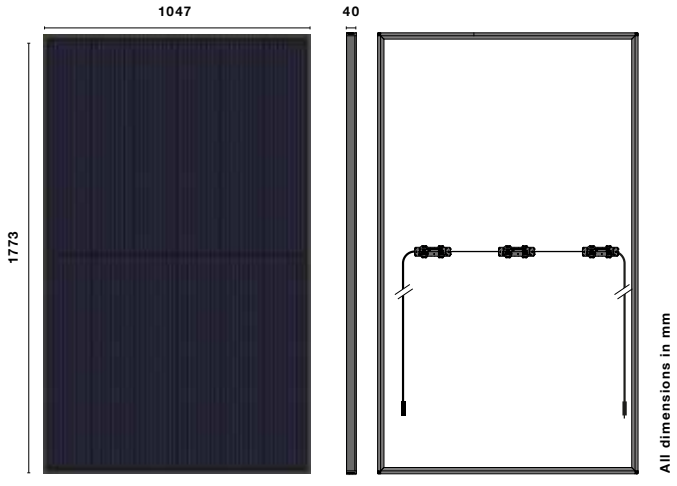
POWER-60 HC Maxim	Pmpp[Wp]	Umpp[V]	Impp[A]	Uoc[V]	Isc[A]	efficiency rate[%]	area per kwp[m²]
370Wp	370Wp	35,01V	10,57A	35,10V	11,10A	19,93%	5,02m²
POWER-60 HC Maxim black							
365Wp	365Wp	34,91V	10,51A	35,10V	11,03A	19,66%	5,09m²

Electrical data

Cells	120 cells (6 x 20); 166 x 83mm halfcut (9 busbar)
Connection system	decentralized Maxim-Zerun junction box with original Stäubli MC4 connectors
Max. output current in MPPT mode	13A
Max. output current in short-circuit mode	4A
Max. output current in short circuit mode	1000V DC
Max. system voltage	
Power tolerance	(+5W/–0W) Measurement: STC (standard test conditions)
Temperature coefficients	Pmpp –0,36%/K Uoc –0,28%/K Isc +0,059%/K
Maximum reverse current	15A
Operation temperature	+85°C up to –40°C
Cable length	2 x 1150mm
Optimizing chips	3 pcs.
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

Dimensions	1773 x 1047 x 40mm (+/– 2mm)
Weight	20,30kg
Optical design	Standard: black anodized frame, backsheet: front and back white Black: black anodized frame, backsheet: front black, back white
Glass specification	Solar glass Interfloat Deflect 3,2mm
Applicable standards	IEC 61215 (Testload: 5400 Pa; Designload: 3600 Pa); IEC 61730; IP 65
Extended hail test	Qualification for HW4
Salt mist corrosion test	A minimum of 96 hours continuous exposure to a highly concentrated salt mist
Ammonia resistance	1500h at 750ppm Ammonia concentration
Packaging	24 modules/pal., 672 modules/truck



DEFLECT
blendreduziert

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

MAXIM
maxim integrated.

Intelligent junction box
// Regulation of every single cell row
// Compatible with every inverter
// No additional equipment necessary