



POWER-MODULE MAXIM

FOR SHADING

365 Wp HC Maxim black
435 Wp HC ALPIN Maxim

Efficient

The intelligent Maxim junction box enables each individual row of cells to be controlled - the optimization chips regulate the optimum operating point.

Simple to connect

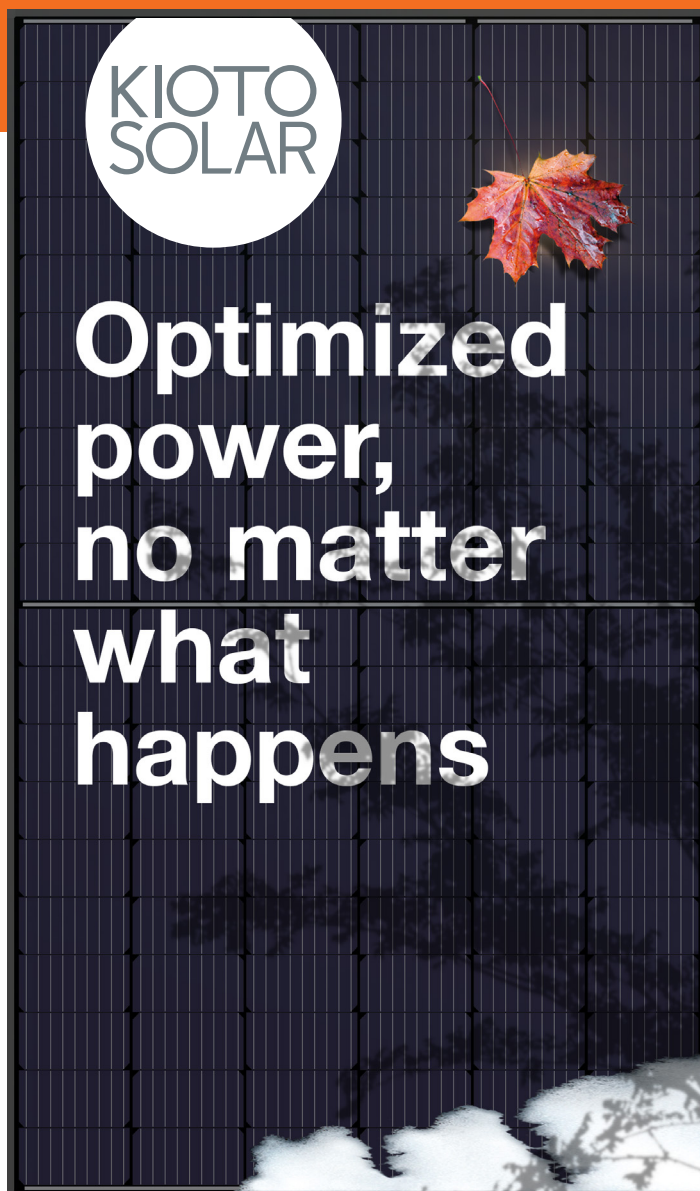
Plug & play installation, compatible with any inverter, No additional components are required.

Flexible

Modules with different orientations and inclinations can be connected in series in one string without any losses occurring.

Durable

Elimination of hot spots reduces module degradation and increases service life.



**SMART! Optimized
performance,
no matter what!**

POWER-MODULE Maxim for shading

Module data

	365 Wp	435 Wp
	HC Maxim black	HC ALPIN Maxim
Modulname	KPV 365Wp HC Maxim black	KPV 435Wp HC Maxim black
Matchcode	KPV365HCMXB	KPV435HCMXBA
Pmpp	365 Wp	435 Wp
Ump	34,91 V	33,89 V
Imp	10,51 A	12,85 A
Uoc	40,74 V	39,69 V
Isc	11,03 A	13,56 A
Efficiency	19,66 %	21,77 %
Area requirement/kWp	5,09 m ²	4,59 m ²

Electrical data

Cells	120 PERC half cells (6 x 20) 166 x 83 mm (9 busbar)	108 TOPCON Halbzellen (6 x 18) 182 x 91 mm (16 busbar)
Connection and plug system	decentralized Maxim junction box with original Stäubli MC4 connectors	decentralized Maxim junction box with original Stäubli MC4 connectors
Max. Output current in short-circuit mode		4,0 A
Max. Output current		14,4 A
Max. Output voltage in idle mode		35,1 V
Max. Output voltage		33,0 V
Max. system voltage		1000 V DC
Power tolerance	+5 W / -0 W (Measurement: Standard test conditions)	
Temperature coefficients	Pmpp -0,36 %/K Uoc -0,28 %/K Isc +0,059 %/K	Pmpp -0,32 %/K Uoc -0,25 %/K Isc +0,045 %/K
Maximum reverse current	15 A	20A
Operating temperature	+85 °C to -40 °C	+85 °C to -40 °C
Cable length	2 x 1150 mm	2 x 1250 mm
Bypass diodes		3 pieces
Power guarantee	min. 99% in the first year, then max. linear reduction of 0.4% p.a. up to 30 years	
Product warranty	30 years	

Technical data

Weight	20,30 kg	24,00 kg
Dimensions (HxWxD)	1773 x 1047 x 40	1748 x 1143 x 40 mm (± 3 mm)
Optical design	black anodized frame, Backsheet: front black, back white	black anodized ALPINE frame, Backsheet: front black, back white
Glass specifications	Solar glass Interfloat Deflect 3,2 mm	Solar glass ESG 4.0 mm with high-strength anti-reflective coating
Test certificate	IEC 61215 (Testload: 5400 Pa; Designload: 3600 Pa); IEC 61730; IP 65	IEC1215, IEC61730, IP65
Extended hail test	Qualification for HW4	
Salt spray test	Min. 96 hours in a highly concentrated salt mist	
Ammonia resistance	1500h at 750 ppm ammonia concentration	
Packaging configuration	24 modules/pallet, 672 modules/truck	26 modules/pallet, 728 modules/truck



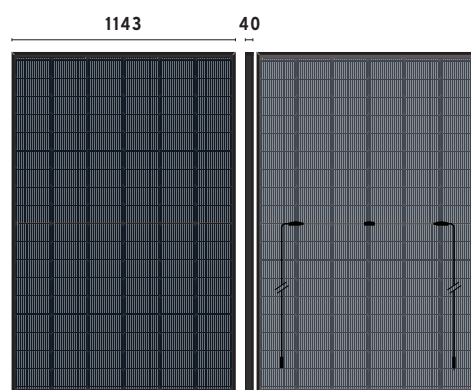
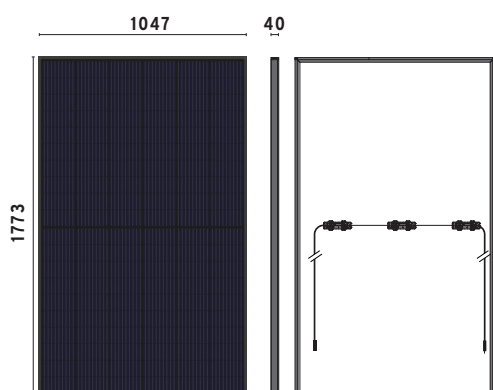
Glare-reduced DEFLECT glass

(365 Wp Module)

- Light transmission 94.9 %
- Light reflection from the front <20,000 cd/m² (black version)
- Low reflection

365 Wp

435 Wp



All dimensions in mm; tolerance 3 mm

Intelligent junction box

- Control of each individual cell row
- Compatible with any inverter
- No additional devices required



The customer shall be solely responsible for ensuring that the goods ordered and delivered are suitable for the customer's purposes. Any technical advice given by SONNENKRAFT ENERGY GmbH, whether verbal, in writing, by way of tests or in any other way, shall be given to the best of its knowledge, but without any warranty or liability, and special technical designs or special constructions may be subject to official approval. Obtaining such approval is the responsibility of the client or building owner. Any resulting changes to the design or additional services, in particular tests and proof of calculations, shall be borne by the client; we have not carried out or checked any project-related, static pre-dimensioning or the correct use of the glass in terms of glass technology. Measuring tolerance 3 %