



POWER module MADE IN EU

Glass foil

490Wp HCB

KPV490HCB
301101018

Innovative technology • High-performance TopCon 2.0 solar cells • High-quality junction box with original Stäubli MC4 connectors • Long module cables for greater flexibility in wiring • Solar glass with reduced glare thanks to anti-reflective coating

Lightweight

Maximum load-bearing capacity (hail resistance class 4) with low module weight

Design and safety

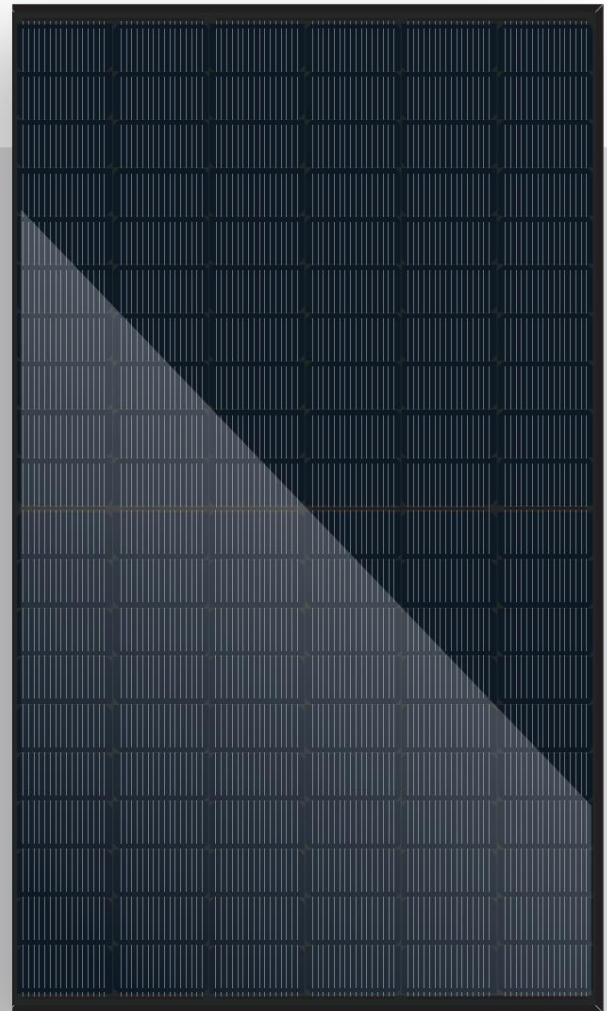
Intelligent framework concept for technical safety, flexibility and homogeneous design

Made in Europe

Module production in Austria to meet the latest requirements NZIA regulations across Europe

Ready for PPE_V2

Modules to fulfill CO2 limit of 530kg/kWp as well as material limitation for lead and silver



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SONENKRAFT**490Wp HCB****Module data**

Module name	KPV 490Wp HCB
Match code	KPV490HCB
PMPP	490Wp
Umpp	37.94 V
Impp	12.93 A
Uoc	44.20 V
Isc	13.63 A
efficiency	22.15%
Space requirement/kWp	4.51m ²

Electrical data

cells	108 TOPCON half cells (6 x 20) 182 x 91 mm (16 busbar)
Connection and plug system, max.	Decentralized junction box with original Stäubli MC4 connectors
system voltage, power	1000 V DC
tolerance, temperature	-0W / +5W (measurement under standard test conditions)
coefficients	PMPP -0.32%/K Uoc -0.25%/K Isc +0.045%/K
Maximum reverse current	20 A
Operating temperature	+85 °C to -40 °C
Cable length	2 x 1250mm
Bypass diodes	3 pieces
Performance guarantee	Minimum 99% in the first year, then a maximum linear reduction of 0.4% per year for up to 30 years.
Product warranty	30 years

Technical data

Weight	28.50 kg
Dimensions (H x W x D) optical	1935 x 1143 x 35mm (3rim)
design	Design: black aluminum frame, black backing film
Applicable standards	IEC 61215, IEC 61730; IP 65
Extended hail test	HW4
Salt spray test	Minimum 96 hours in a highly concentrated salt fog
Ammonia resistance	1500h at 750ppm ammonia concentration
Packaging configuration	31 modules/pallet, 806 modules/truck

