



KODAK SOLAR MODULES

450W FBBI AM

23% Efficiency

Thanks to its innovative assembly technology, the **KODAK 450 W** module offers the guarantee of long-lasting performance.

High performance M6X16 cells

The KODAK 450 W module has been designed to provide high levels of efficiency thanks to its **96 TOPcon** monocrystalline half-cells.

Reduced dimensions

M6X16 cell technology was chosen to allow maintain an ideal panel size for residential use.



Half-cell technology For optimized panel performance



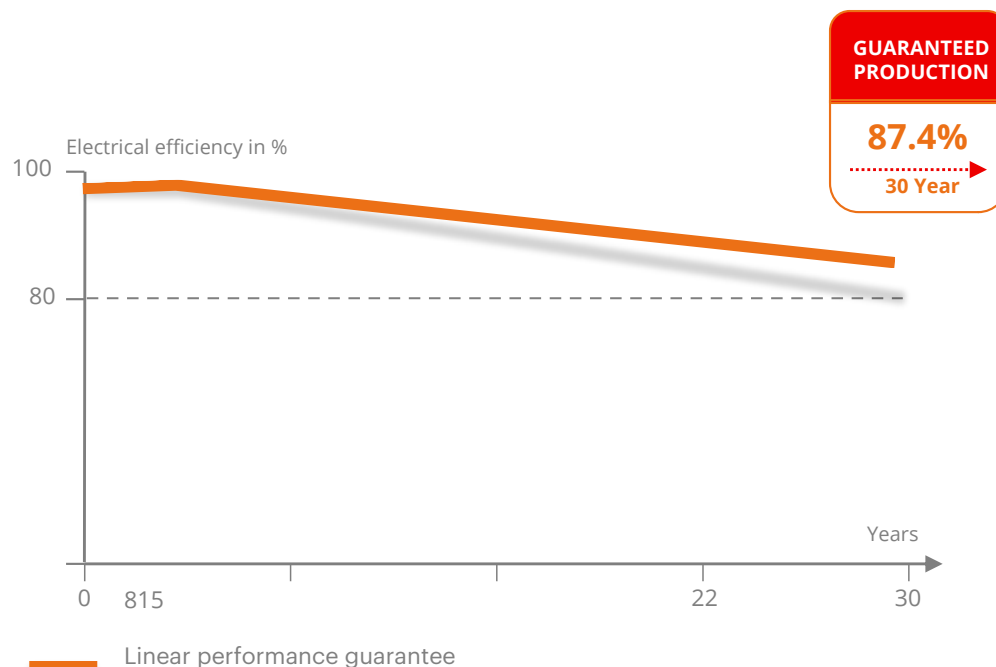
Guaranteed power up to 87% in the 30th year



Full black aesthetic
Elegant design that blends discreetly into the roof



Recycling of any module at the end of the cycle



Electrical characteristics

Electrical parameters under STC standardized test conditions

Rated power (Pmax)	450 W
Open circuit voltage (Voc)	36.02 V
Short circuit current (Isc)	15.82 A
Voltage at rated power (Vmp)	29.78V
Current at rated power (Imp)	15.12A
Module efficiency (%)	22,52 %

STC = Standardized test conditions: irradiance 1000 W/m²

Electrical parameters under standardized NOCT test conditions

Rated power (Pmax)	340 W
Open circuit voltage (Voc).	34.22V
Short circuit current (Isc).	12.65A
Voltage at nominal power (Vmp).	28.15V
Current at rated power (Imp).	12.09A

NOCT = Nominal operating temperature of the cell: irradiance 800

W/m², ambient temperature 20 °C, wind speed 1 m

Mechanical characteristics

Cell type	Monocrystalline bi-Facial TOPCON
Number of cells	96 (6x16)
Module dimensions	1762x1134x30mm
Weight	24 kg
Front covering	1,6mm+1,6mm Black Aluminum
Frame	Tempered Glass
Junction box	IP68
Cable	4mm+1300mm
Connector	MC4 or compatible

Temperature characteristics

Nominal Cell Operating Temperature (NMOT) Pmpp Temperature	45±2°C
Coefficients	-0,31%/°C
Temperature coefficients of Voc	-0,26%/°C
Temperature coefficients of Isc	0,046%/°C

Maximum values

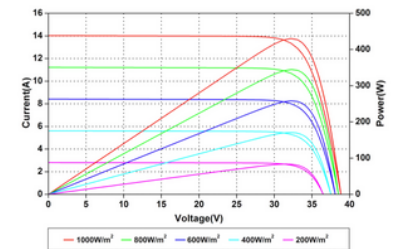
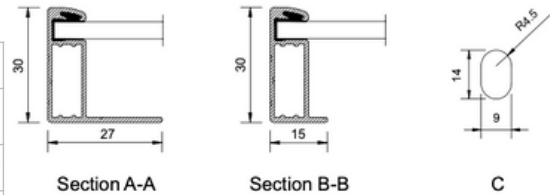
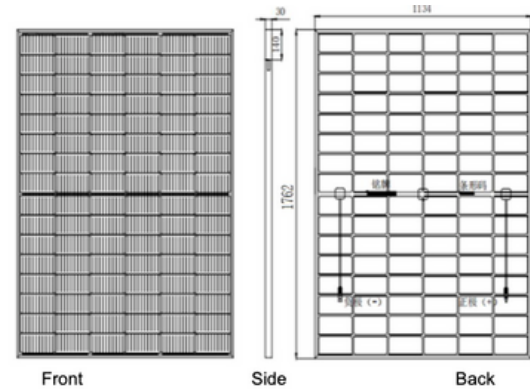
Operating temperature	-40°C to +85°C
Maximum system voltage.	1500 Vdc
Maximum value of the series fuse	30 A

Specifications shown in this data sheet are subject to change without notice

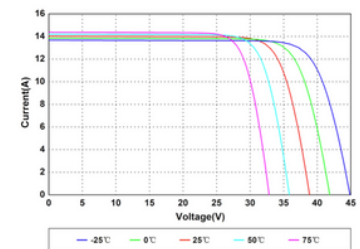
Packaging

Standart packing	36 pcs /pallet
20' container	216 pcs
40' container.	936 pcs (hq)

Schémas(mm)



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures



IEC 61215 -61730 -62716
61701 -62804



ISO9001:2015 -ISO14001:2015

