

# KODAK SOLAR MODULES

## 440W FBBI AM

Thanks to its innovative assembly technology, the **KODAK 440 W** module **TopCon Full Black** offers the guarantee of long-lasting performance.

High performance M6X18 cells

The **KODAK 440 W** module has been designed to provide high levels of efficiency thanks to its 108 **TOPcon** monocrystalline half-cells.

Reduced dimensions

The M6X18 cell technology was chosen to allow maintain an ideal panel size for residential use.



22.5% efficiency  
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

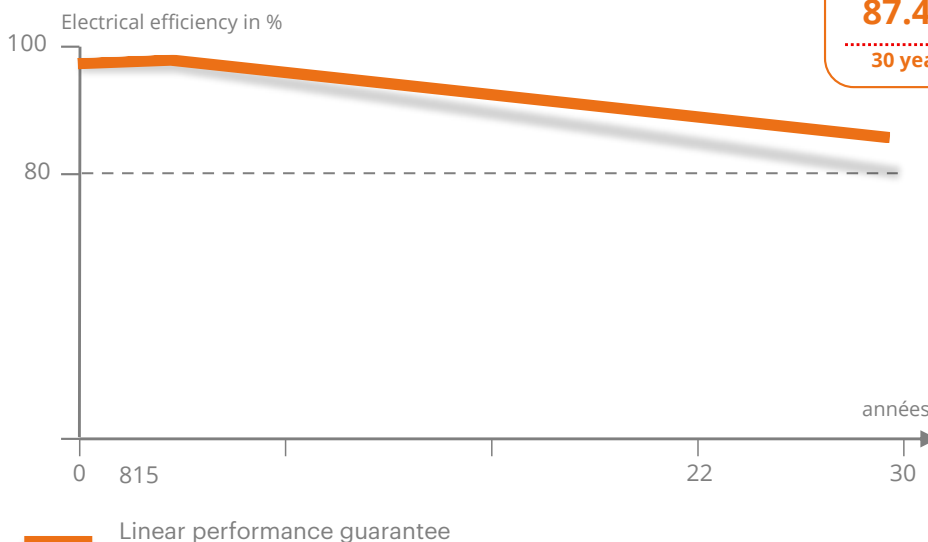


Recycling of any module at the end of the cycle

**GUARANTEED PRODUCTION**

**87.4%**

30 years



## Electrical characteristics

Electrical parameters under STC standardized test conditions

Rated power (Pmax) 440 W	Open circuit voltage (Voc)	38,80 V
	Short circuit current (Isc)	14,18 A
	Voltage at rated power (Vmp)	32,60V
	Current at rated power (Imp)	13,50 A
	Module efficiency (%)	22,53 %

STC = Conditions de test normalisées : éclairage énergétique 1 000 W/m<sup>2</sup>, température des cellules 25 °C, AM 1.5

Electrical parameters under standardized NOCT test conditions

Rated power (Pmax)	331 W
Open circuit voltage (Voc)	36,90 V
Short circuit current (Isc)	11,49 A
Voltage at nominal power (Vmp)	30,70 V
Current at rated power (Imp)	10,81 A

NOCT = Nominal operating temperature of the cell: irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m

## Mechanical characteristics

Cell type	<b>Monocrystalline bi-Facial TOPCON</b>
Number of cells Module	108 (6x18)
Dimensions	1722 x 1134 x 30 mm
Weight	24 Kg
Front covering	2mm+2mm Black Aluminum
Frame	Tempered Glass
Junction box	IP68
Cable	4 mm+ 1 Meter
Connector	MC4 or compatible

## Temperature characteristics

Nominal cell operating temperature (NMOT) Pmpp temperature	43 ±2°C
Coefficients	-0,30%/°C
Temperature coefficients of Voc	-0,25%/C
Temperature coefficients of Isc	0,045%/°C

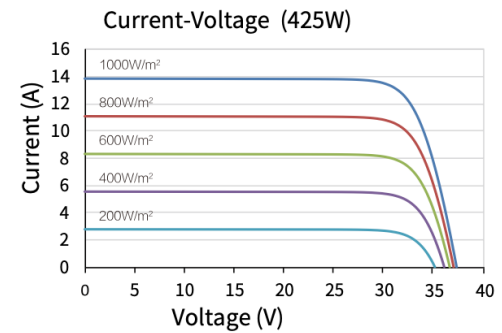
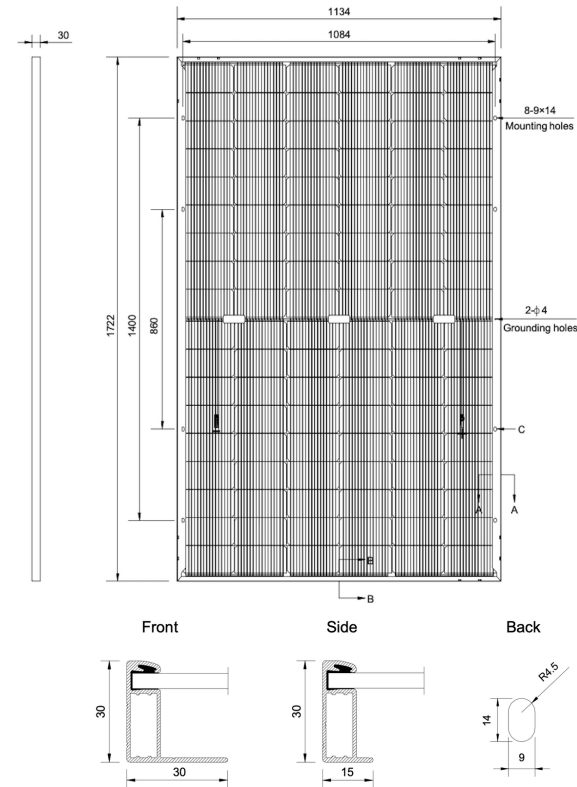
## Maximum values

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

The specifications shown in this data sheet are subject to change without notice

## Packaging

Standart packing	36 pcs /pallet
20' container	216 pcs
40' container.	864 pcs (hq)



IEC 61215 -61730 -62716  
61701 -62804



ISO9001:2015 -ISO14001:2015

