

## KS320MFB-60

Monocrystalline 60 cells

BLACK FRAME, BLACK BACKSHEET

Output: **320 W**

Created to fulfill requirements of the most demanding installers. Competitive efficiency with higher powers modules, increases capabilities and lowering installation costs



### MONO PERC CELLS

Reliable MONO PERC technology allows high cell efficiency and lowers installation losses



### HIGH CELL EFFICIENCY

High cell efficiency with standard dimensions allows more efficient use of total installation area



### CERTIFIED QUALITY

KENSOL solar module successfully passed rigorous tests of leading testing company TUV Rheinland



### POLISH BRAND POLISH GUARANTOR

designed with the expertise of the largest Polish PV distributor



### RELIABILITY

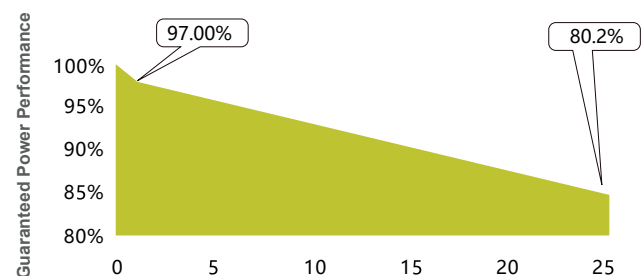
15-year product performance warranty  
25-year linear warranty



### HIGHEST QUALITY FAVOURABLE PRICE

Quality Control at each stage of production

### HIGH PERFORMANCE FOR MANY YEARS



## Electrical Characteristics at Standard Test Conditions (STC)

Module Type	KS320MFB-60
Maximum Power Pm [Wp]	320
Open-Circuit Voltage Voc [V]	40.1
Short-Circuit Current Isc [A]	9.96
Maximum Power Voltage Vm [V]	33.1
Maximum Power Current Im [A]	9.66
Module Efficiency $\eta$ [%]	19.18

## Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Maximum Power Pm [Wp]	236
Open-Circuit Voltage Voc [V]	37.6
Short-Circuit Current Isc [A]	8.06
Maximum Power Voltage Vm [V]	31.0
Maximum Power Current Im [A]	7.59

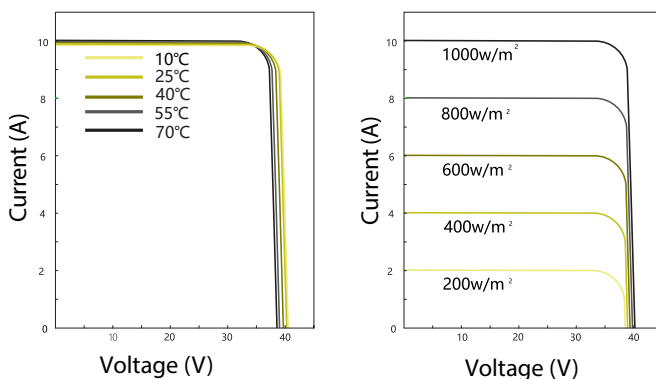
### Note:

- Standard Test Conditions [STC]: irradiance 1000 W/m<sup>2</sup>; AM 1.5; ambient temperature 25°C according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m<sup>2</sup>; wind speed 1m/s, ambient temperature 20°C;
- Tolerance of Pm: 0~+5W, Measuring uncertainty of power:  $\pm 3\%$ . Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]:  $\pm 3\%$ .

## Mechanical Parameters

Dimensions	1665×1002×35mm (L×W×H)
Weight	18.6kg
Encapsulation	White toughened safety glass 3.2mm
Lamination	EVA (Ethylene-Vinyl-Acetate)
Cells	60pcs 158.75×158.75mm Monocrystalline solar 5BB PERC cells
Backsheet	Black composite film
Frame	Black anodized aluminum profile
Junction Box	IP67
Cable	1m
Connector	Compatible with MC4

## I-V Curves



## Temperature Characteristics

Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.058%/°C
Temperature Coefficient of Pm	-0.40%/°C

## Maximum Ratings Parameter

Maximum System Voltage	DC 1000(IEC)
Maximum Fuse Rated Current [A]	20
Maximum Surface Load Capacity [Pa]	5 400

Operating Temperature [°C]	- 40 to + 85
Withstanding Hail	Maximum diameter of 25mm with impact speed of 23m/s

## Other Characteristics

Packaging	31pcs/pallet 28 pallet/container container 40' = 868 pcs
Warranty	15-year product performance warranty 25-year linear warranty

## Dimensions

Unit: mm

