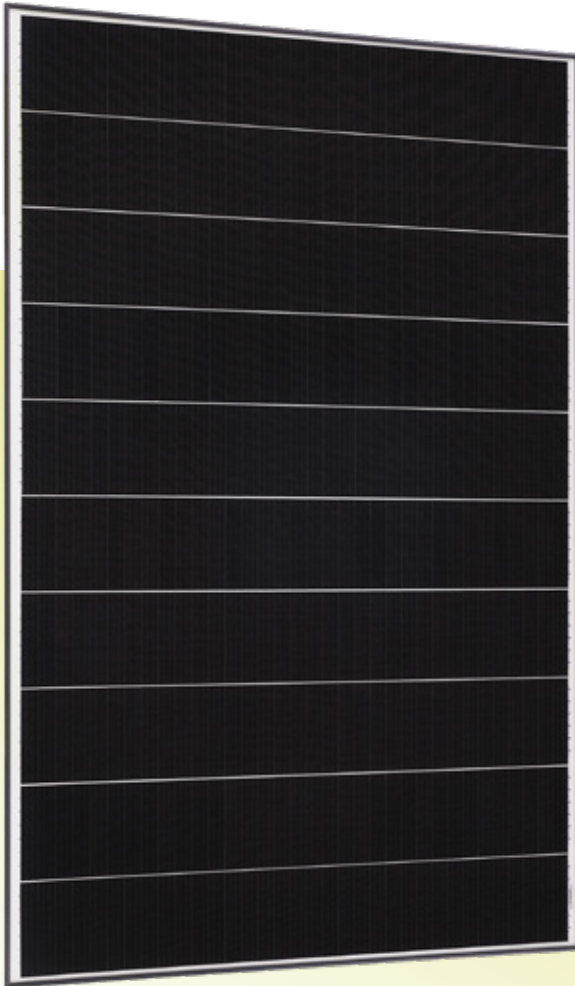


## KS390M-SH

Monocrystalline Shingled

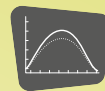
BLACK FRAME, WHITE BACKSHEET

Output: **390 W**



### SHINGLED CELLS TECHNOLOGY

Innovative technology allows more cells fit on standard-sized module and avoids the influence of bus bar shadowing



### REDUCED RESISTANCE

Shingled modules reduce resistance and decrease impedance increasing power



### MORE POWER WITH STANDARD SIZE

High efficiency of the product allows for more effective use of available area for solar installation



### OPTIMIZED INSTALLATION COSTS

Higher energy production combined with standard size decreases costs of transportation and reduces BOS



### POLISH BRAND POLISH GUARANTOR

designed with the expertise of the largest Polish PV distributor



### RELIABILITY

25-year product performance warranty  
25-year linear warranty

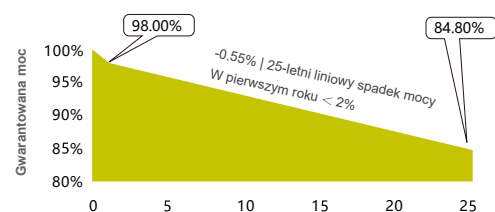


### HIGHEST QUALITY FAVOURABLE PRICE

Quality Control at each stage of production

### HIGH PERFORMANCE FOR MANY YEARS

#### Gwarancja mocy



**Electrical Characteristics at Standard Test Conditions (STC)**

Module Type	KS390M-SH
Maximum Power Pm [Wp]	390
Open-Circuit Voltage Voc [V]	49.3
Short-Circuit Current Isc [A]	10.03
Maximum Power Voltage Vm [V]	40.8
Maximum Power Current Im [A]	9.56
Module Efficiency $\eta$ [%]	20.8

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

Maximum Power Pm [Wp]	294
Open-Circuit Voltage Voc [V]	47.0
Short-Circuit Current Isc [A]	8.08
Maximum Power Voltage Vm [V]	38.9
Maximum Power Current Im [A]	7.55

**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]:  $\pm 3\%$ .

**Maximum Ratings Parameter**

Max. System Voltage	DC 1500(IEC)
Max. Fuse Rated Current [A]	20
Max. Surface Load Capacity [Pa]	5 400
Max. Rear Load Capacity [Pa]	2 400
Operating Temperature [°C]	- 40 to + 85
Withstanding Hail	Max. diameter of 25mm with impact speed of 23m/s

**Other Characteristics**

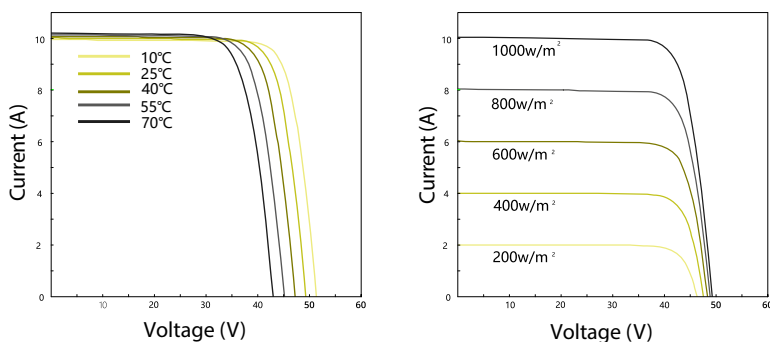
Packaging	31pcs/pallet 28 pallet/container container 40' = 868 pcs
Warranty	25-year product performance warranty 25-year linear warranty

**Temperature Characteristics**

Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pm	-0.34%/°C

**Mechanical Parameters**

Dimensions	1646×1140×35 (L×W×H)
Weight	20.5 kg
Encapsulation	White toughened safety glass 3.2mm
Lamination	EVA (Ethylene-Vinyl-Acetate)
Cells	Monocrystalline shingled PERC
Backsheet	White composite film
Frame	Black anodized aluminum profile
Junction Box	IP67
Cable	1m
Connector	MC4 equivalent

**I-V Curves**

**Dimensions**

Unit: mm

