

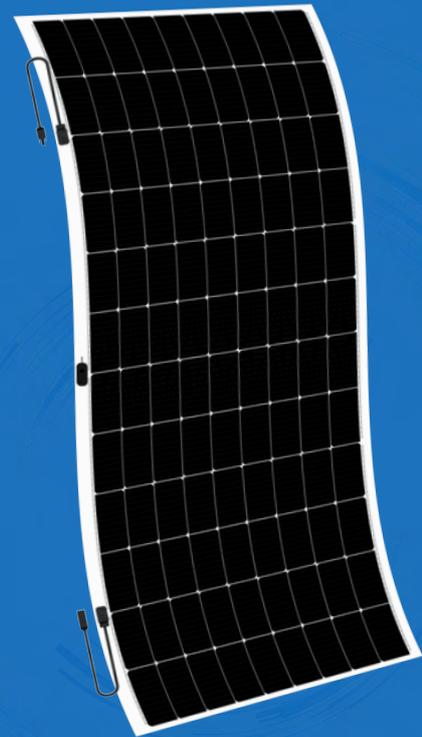


P-Type

# 390W~400W

## MONO-FLEXIBLE MODULE

IEC61215(2016),IEC61730(2016)  
ISO9001:2015 Quality Management System  
ISO14001:2015 Environmental Management System  
ISO45001:2018 Occupational Health and Safety Management System



### Key Features

**Lightweight**  
Optimized composite materials, 60% lighter at the same power.

**Resin-fiber Strength Improvement**  
The modulus is as high as 1300MPa, improving the overall strength of the module and solving the hidden crack problem of the cell.

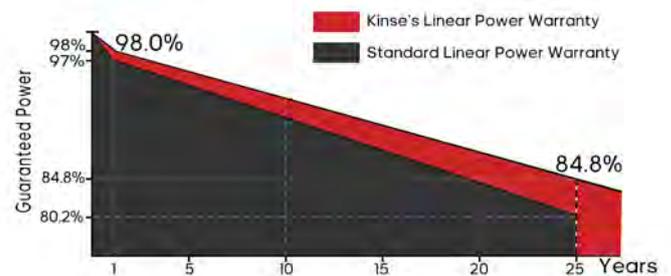
**Self-developed Polymer Materials**  
Light transmittance  $\geq 91\%$ , far more than conventional solar panels, photoelectricity conversion without a barrier. Ultra-high UV blocking ability ensures power generation efficiency for 25 years.

**Easy to Install**  
Factory-integrated for easy transportation and handling; Eliminating traditional bracket systems and saving installation costs and time.

**V0 Rated flame retardant materials**  
Use V0 Rated flame retardant materials to improve component fire performance.

\* Specifications subject to technical changes and tests. Kinse Solar reserves the right of interpretation.

Linear Performance Warranty



### Leading product and power warranty

**12**YEAR Materials and workmanship warranty  
**25**YEAR Linear power warranty



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## Electrical Characteristics(STC\*)

Module Type	KS390-108-M182-FL	KS395-108-M182-FL	KS400-108-M182-FL
Maximum Power(Pmax)[W]	390	395	400
Power tolerance[W]		0 ~ +5	
Maximum Power Voltage(Vmp)[V]	30.78	30.98	31.18
Maximum Power Current (Imp)[A]	12.69	12.76	12.83
Open-circuit Voltage (Voc)[V]	36.64	36.84	37.04
Short-circuit Current (Isc)[A]	13.58	13.66	13.73
Module Efficiency STC(%)	18.73	18.97	19.21

\*STC : Irradiance at 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## Electrical Characteristics(NOCT\*)

Module Type	KS390-108-M182-FL	KS395-108-M182-FL	KS400-108-M182-FL
Maximum Power(Pmax)[W]	290	294	298
Maximum Power Voltage(Vmp)[V]	28.10	28.26	28.42
Maximum Power Current (Imp)[A]	10.33	10.40	10.47
Open-circuit Voltage (Voc)[V]	34.76	34.83	34.90
Short-circuit Current (Isc)[A]	11.01	11.07	11.13

\*NOCT : Irradiance at 800W/ m<sup>2</sup>. Ambient Temperature 20°C , Wind Speed 1 m/s

## Mechanical Characteristics

Cell Type	P type Mono-crystalline 182 * 91mm
No. of cells	108(12 x 9)
Dimensions	2246 * 927 * 2.5 mm
Weight	6.2 Kg
Junction Box	IP68 Rated
Output Cables	4.0 mm <sup>2</sup>
Cable Length	400mm or Customized Length

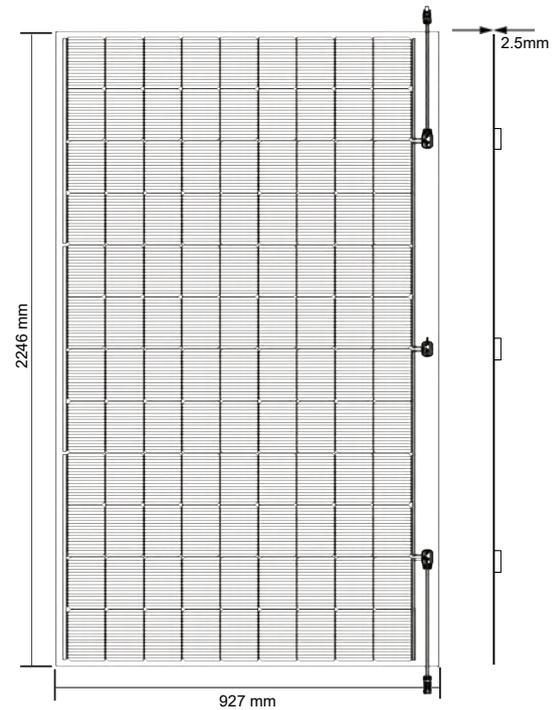
## Application parameters

Maximum system voltage	DC1500V(IEC)
Maximum series fuse rating	25A

## Temperature coefficient

Temperature coefficients of Pmax	-0.37 %/ °C
Temperature coefficients of Voc	-0.28 %/ °C
Temperature coefficients of Isc	0.05 %/ °C
Operating Temperature	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45±2 °C

## Dimension

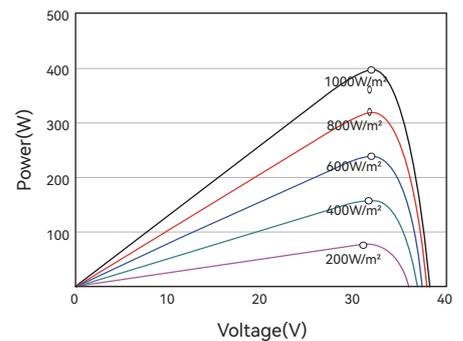


## Packaging Configuration

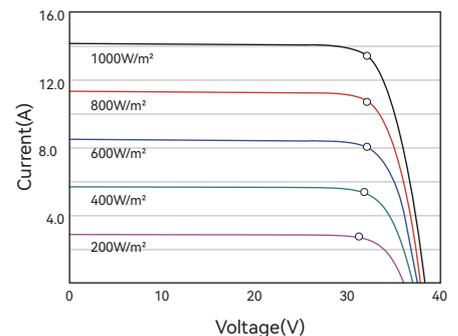
70pcs/pallets, 1400pcs/ 40'HQ Container

## Electrical Performance

P-V Curves of PV Module (400W)



I-V Curves of PV Module (400W)



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