



## Bifacial Module

# 565W ~ 585W



MONO PERC

Bifacial Module

22.65%

Max Efficiency

12 Years

Product Warranty



### Higher power output

The use of high-efficiency multi-gate and cell half-chip design significantly increases the output power of the product.



### Excellent temp coefficient

The product's excellent temperature coefficient characteristics result in superior outdoor power generation performance and longer service life.



### Reduce hot spots

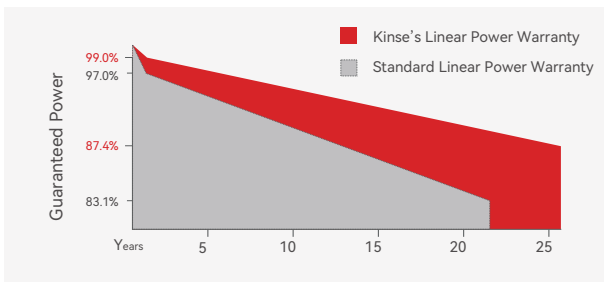
Reduced operating current through better product design, thus reducing the risk of hot spots.



### Long-term reliability

Reduce the attenuation caused by PID with production technology optimization and material control.

## Linear Performance Warranty



12-Year product warranty



25-Year linear power output warranty

## Product and system certifications



IEC61215 (2016), IEC61730 (2016)

ISO9001:2015 Quality Management System

ISO14001:2015 Environmental Management System

ISO45001:2018 Occupational Health and Safety Management System

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

### Electrical Characteristics

Module Type	KS565-144-M182		KS570-144-M182		KS575-144-M182		KS580-144-M182		KS585-144-M182	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)[W]	565	433	570	437	575	441	580	445	585	449
Maximum Power Voltage(Vmp)[V]	42.13	38.89	42.29	39.20	42.47	39.39	42.65	39.69	42.83	39.86
Maximum Power Current (Imp)[A]	13.42	10.47	13.48	10.51	13.54	10.55	13.60	10.59	13.66	10.64
Open-circuit Voltage (Voc)[V]	50.86	46.34	51.06	46.55	51.26	46.66	51.46	46.88	51.66	47.08
Short-circuit Current (Isc)[A]	14.20	11.09	14.26	11.13	14.32	11.18	14.38	11.24	14.44	11.30
Module Efficiency STC(%)	21.87%		22.07%		22.26%		22.45%		22.65%	

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

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

Note: The electrical performance parameters in the catalog are used to compare different components and do not represent specific performance commitments for individual components.

### Electrical Characteristics with 10% Solar Irradiation Ratio

Module Type	KS565-144-M182	KS570-144-M182	KS575-144-M182	KS580-144-M182	KS585-144-M182
Maximum Power (Pmax)	622	627	633	638	644
Maximum Power Voltage (Vmp)	42.13	42.29	42.47	42.65	42.83
Maximum Power Current (Imp)	14.76	14.83	14.89	14.96	15.03
Open-circuit Voltage (Voc)	50.86	51.06	51.26	51.46	51.66
Short-circuit Current (Isc)	15.62	15.69	15.75	15.82	15.88

### Mechanical Parameters

Cell Type	Monocrystalline (182mm)	No. of Cells	144 [2 x (12 x 6) ]
Dimensions	2278*1134*30mm	Weight	31.5kg
Glass	2mm-2mm	Encapsulant Material	EVA/POE
Frame	Anodized Aluminium Alloy	Fire safety class	Class C
Output Cable	4.0mm <sup>2</sup> , 300/300mm	Connector	MC4 Compatible

### Temperature Ratings

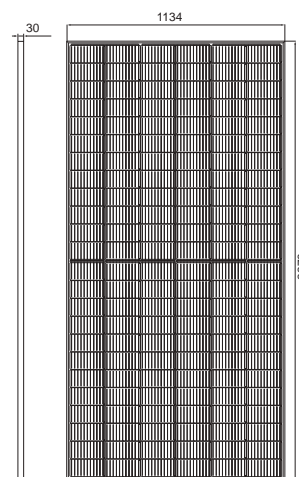
Nominal operating cell temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.048%/°C

### Operating Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Bifacility	75%-80%

### Dimensions

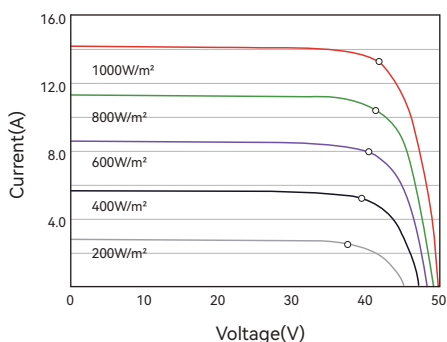
Unit: mm



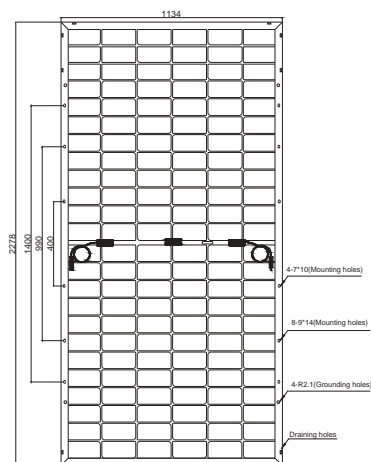
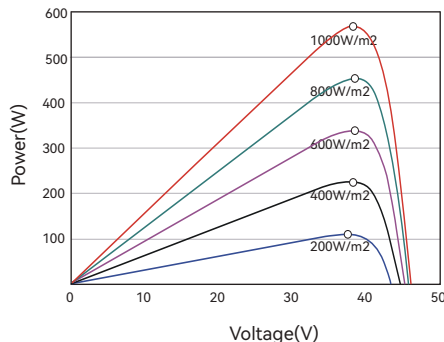
Front View

### Electrical Performance

#### I-V Curves of PV Module (570W)



#### P-V Curves of PV Module (570W)



Back View

### Packaging

Pcs per Pallet: 36

Pcs per 40' HC: 720

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