



**460W**  
Max Power Output

**21.13% $\eta$**   
Max Module Efficiency

**0~+5w**  
Power Output  
Guarantee



High conversion efficiency due to top quality wafers and advanced cell technology, an ideal choice for large scale ground installation



Through sand, salt fog, ammonia, and other weather resistance test, adapt to a harsh outdoor environment



Selected encapsulating material and stringent production process control ensures the product is highly PID resistant and snail trails free



Enhanced frame design, more excellent component load capacity



Highly transparent self-cleaning glass brings additional yield and easy maintenance

## (STC\*) Electrical Specification

Max Power	Pmax (W)	445
Max Power Voltage	Vmp (V)	41.20
Max Power Current	Imp (A)	10.80
Open Circuit Voltage	Voc (V)	49.80
Short Circuit Current	Isc (A)	11.40
Module Efficiency	(%)	20.47
Dimensions of Module L*W*H	(mm)	2094x1038x35
Weight	(kg)	24
Solar Cell Type	(mm)	Mono 83×166,144 cells
Packaging	(pcs)	31/pallet,726/40hq
Power Output Tolerance	(W)	0 ~ +5
Operational Temperature		-40~+85°C
Maximum System Voltage		1500V DC
Max Series Fuse Rating		20A

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

## (NOCT\*) Electrical Specification

Max Power	Pmax (W)	329.8
Max Power Voltage	Vmp (V)	38.10
Max Power Current	Imp (A)	8.66
Open Circuit Voltage	Voc (V)	42.50
Short Circuit Current	Isc (A)	8.67

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

## Mechanical Data

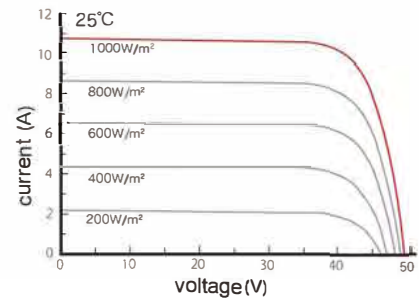
Glass	3.2mm High transparency solar glass
Backsheet	White or Black
Frame	Silver /black anodized alu alloy
J-Box	IP68 Rated
Cable	4 mm <sup>2</sup> (0.006 inches <sup>2</sup> ),300 mm (1.18 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/5400Pa*
Connector	MC4 Compatible

\* For more details please check the installation manual of SF

## Temperature Ratings

(NOCT) Nominal Operating Cell Temperature	45±2°C
(Isc) Temperature Coefficient of Isc	+ 0.06%/°C
(Voc) Temperature Coefficient of Voc	- 0.30%/°C
(Pmax) Temperature Coefficient of Pmax	- 0.37%/°C

Current-Voltage(430W)



Power-Voltage(430W)

