



# PERC182 M10-11BB

## 182 Mono-Crystalline Bifacial Solar Cell

### Test Efficiency



**22.8-23.7%**

### Temperature Coefficients

Temperature coefficient of Pmax	-0.38%/K
Temperature coefficient of Vocmax	-0.36%/K
Temperature coefficient of Iscmax	+0.07%/K

### Product Characteristics



#### High Photoelectric Conversion Efficiency

The photoelectric conversion efficiency is enhanced to save balance of system (BOS) costs.



#### Excellent Resistance to Hidden Cracks

Mechanical performance is good enough to effectively reduce hidden cracks.



#### Higher Power Generation Efficiency

The attenuation rate is low, ensuring the generation capacity for a project.



#### Larger Generation Capacity

A large generation capacity increases project profits.

## Electrical Characteristics

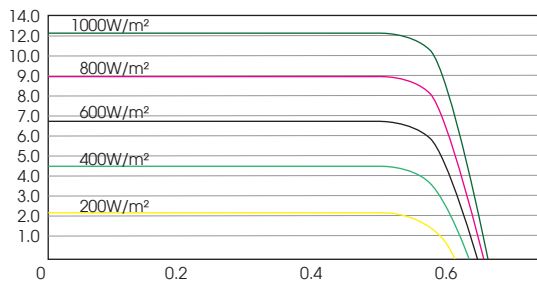
Eta (%)	23.70	23.60	23.50	23.40	23.30	23.20	23.10	23.00	22.90	22.80
Pmp (W)	7.81	7.77	7.74	7.71	7.68	7.65	7.62	7.59	7.56	7.53
Voc (V)	0.6984	0.6976	0.6968	0.6960	0.6952	0.6944	0.6936	0.6928	0.6920	0.6900
Isc (A)	13.760	13.743	13.726	13.709	13.692	13.675	13.658	13.641	13.624	13.569
Vmp (V)	0.616	0.613	0.610	0.607	0.604	0.601	0.598	0.595	0.592	0.589
Imp (A)	13.185	13.169	13.155	13.138	13.123	13.107	13.091	13.074	13.054	13.015

\*Standard Test Conditions: 1000W/m<sup>2</sup>, AM1.5, 25°C

## Mechanical Characteristics

Model	182 Mono-Crystalline Bifacial Solar Cell (PERC182 M10-11BB)
Dimension	182mmx182mm±0.25mm
Thickness	175±17.5μm
Front	11x0.055mm main grid lines (silver), 174 auxiliary grid lines, blue anti-reflection film (silicon oxynitride)(nitrous oxide process)
Back	Back electrode 1.7±0.05mm(silver), 180 auxiliary grid lines, blue anti-reflecting film(silicon oxynitride)

## IV Curve



## Light Intensity Reliability

Intensity(w/m <sup>2</sup> )	Uoc	Isc
1000	1.000	1.000
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4
200	0.93	0.2

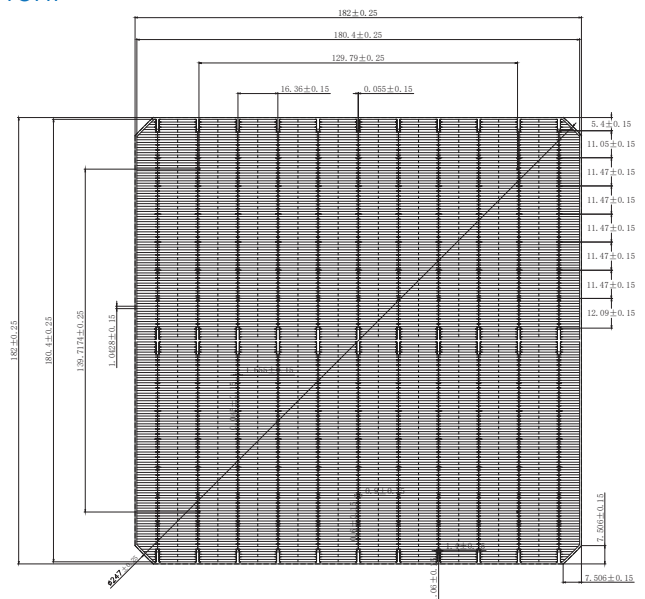
\*Voc(Isc)measured at 1000W/m<sup>2</sup>, the extent of Uoc(Isc)decreasing with light intensity

## Packaging Information

Packaging	Pcs/Box	Box/Carton	Pcs/Carton
	120	14	1680

## Cell Drawing

Front



Back

