N Type Mono-crystalline Bifacial TOPCon Solar Cell HG182T210A

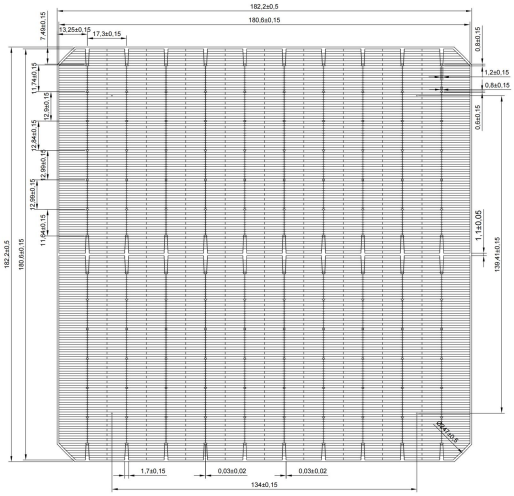
FEATURES

- High efficiency，Excellent reliability
- Better Weak light response
- Low temperature Poly-Si Deposition
- Precise Boron doping
- Extremely low LID
- Lower CTM loss
- Advanced passivation doping technology
- Enhanced contact optimization

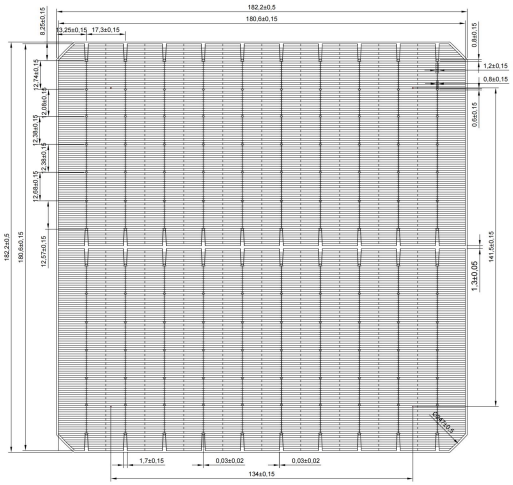
Physical Characteristics

Substrate material	N type, Phosphorus doped,monocrystalline silicon wafer
Thickness	130±10% μm
Dimension	182.2mm*182.2mm±0.5mm，Φ247mm±0.5mm
Front Side	10 Bus Bars,172±10%fingers,blue antireflection layer(SiNx)
Rear Side	10 Bus Bars,190±10%fingers,blue antireflection layer(SiNx)

Product Appearance



Front Side



Rear Side

Electrical data

Eff. Grade (%)	Isc(A)	Voc(V)	Impp(A)	Vmpp(V)	Pmpp(W)	FF (%)
25.5	13.758	0.730	13.258	0.635	8.42	83.83
25.4	13.774	0.728	13.248	0.633	8.39	83.63
25.3	13.767	0.727	13.259	0.630	8.35	83.46
25.2	13.749	0.726	13.270	0.627	8.32	83.35
25.1	13.730	0.725	13.259	0.625	8.29	83.25
25.0	13.699	0.724	13.264	0.622	8.25	83.18
24.9	13.666	0.723	13.237	0.621	8.22	83.19
24.8	13.622	0.722	13.216	0.620	8.19	83.27
24.7	13.581	0.721	13.180	0.619	8.15	83.23
24.6	13.548	0.720	13.147	0.618	8.12	83.24
24.5	13.516	0.719	13.112	0.617	8.09	83.25
24.4	13.481	0.718	13.068	0.616	8.06	83.17
24.3	13.466	0.717	13.045	0.615	8.02	83.06
24.2	13.442	0.716	13.012	0.614	7.99	83.02
24.1	13.419	0.715	12.980	0.613	7.96	82.96

All electrical data measured under standard test conditions: 1000W/m2, AM 1.5, 25°C.

SunSync solar reserve the right of final interpretation about the above technology parameter.

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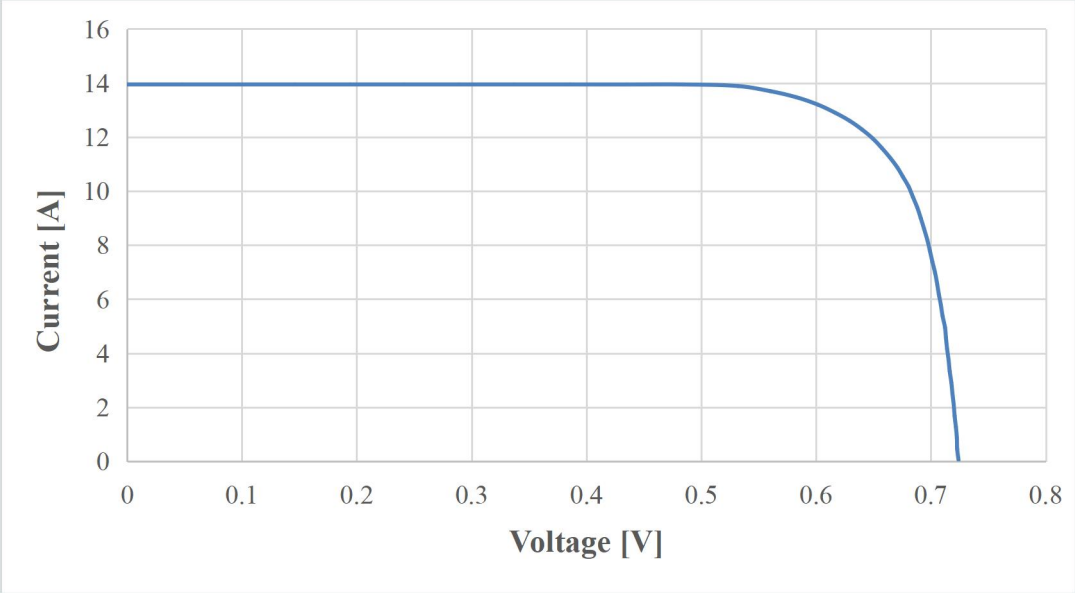
IV Curve



Temperature Coefficients

Power Temperature Coefficient	TkPower: -(0.30±0.02) %/K
Voltage Temperature Coefficient	TkVoltage: -(0.26±0.03) %/K
Current Temperature Coefficientt	TkCurrent: +(0.046±0.015) %/K

Packing & Storage Conditions

The Solar cells are closely packed with soft sponge around and heat shrink is used around the box unit. Outer packing box must have shock buffer, The foam packaging offers optimal protection during transportation.

The Solar cells should be stored indoors in the conditions of good ventilation. The storage temperature should be 25 ± 5℃, and the humidity should be no more than 60%RH . Cells should be sampling inspected again if the storage time over 60 days.