

M19116BTR01

N-Type TOPCon

Mechanical characteristics

Product Specification

N-Type TOPCon 16BB-191(M19116BTR01)
Bifacial Solar Cell

Dimension

182.2mm*191.6mm±0.5mm Φ262.5mm±0.5mm

Thickness

130±13μm

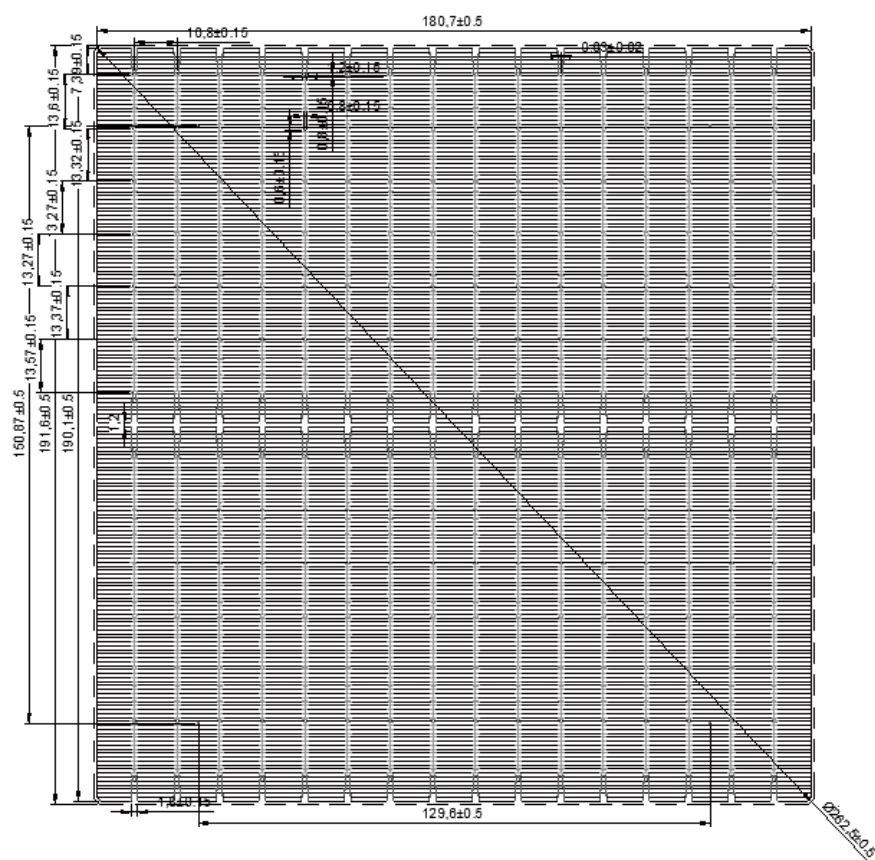
Solderability

Peel strength≥0.5N/mm, Results may vary depending on electrode,welding method,and conditions.

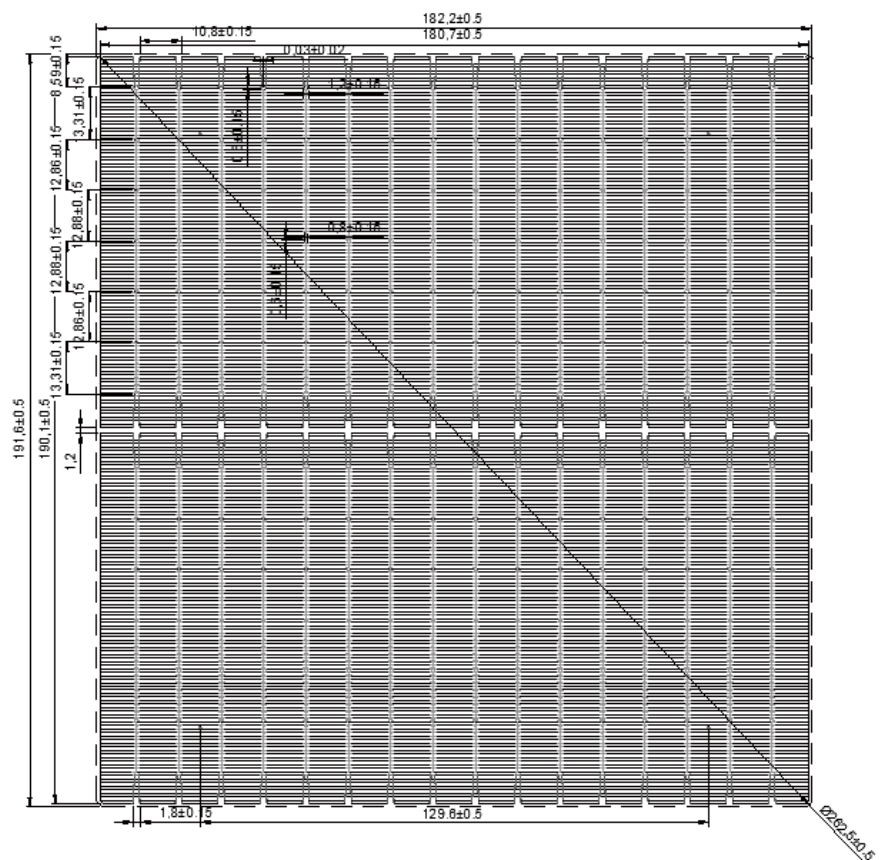
Product Characteristics

-  High Conversion Efficiency, front efficiency≥24.5%
-  Bifacial rate≥80%
-  Low LID
-  superior anti-PID performance
-  temperature coefficient of power as low as -0.32%/K
-  relative conversion efficiency ≥97% under low light 200W/m²
-  Low cell to module(CTM) power loss, more suitable for high-efficiency module

Product appearance



Front



Back

Front Electrical Characteristic

No.	Eff(%)	Power Pmpp(W)	Max. Power Voltage Vmpp(V)	Max. Power Current Impp(A)	Open Circuit Voltage Voc(V)	Short Circuit Current Isc(A)	FF(%)
1	25.3	8.83	0.639	13.838	0.720	14.489	86.20
2	25.2	8.80	0.637	13.830	0.718	14.483	86.16
3	25.1	8.76	0.635	13.826	0.716	14.480	86.11
4	25.0	8.73	0.633	13.818	0.714	14.477	86.09
5	24.9	8.69	0.630	13.820	0.712	14.481	86.03
6	24.8	8.66	0.628	13.816	0.711	14.479	85.97
7	24.7	8.62	0.628	13.772	0.709	14.434	85.91
8	24.6	8.59	0.625	13.779	0.707	14.446	85.86
9	24.5	8.55	0.623	13.774	0.705	14.448	85.81
10	24.4	8.52	0.620	13.797	0.703	14.474	85.80
11	24.3	8.48	0.621	13.723	0.701	14.137	85.79
12	24.2	8.45	0.617	13.763	0.699	14.430	85.76
13	24.1	8.41	0.614	13.762	0.698	14.450	85.73
14	24.0	8.38	0.614	13.733	0.697	14.451	85.65
15	23.9	8.34	0.611	13.740	0.696	14.414	85.60

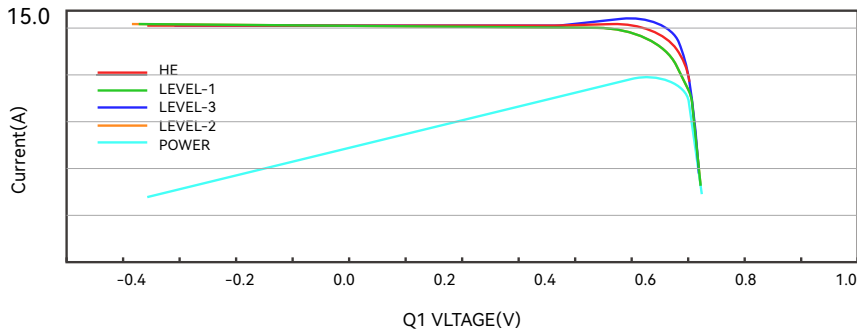
* Standard Test Condition(STC):1000W/m², AM1.5, 25°C
The above technical parameters are subject to technical changes and tests, ANHUI MEIDALUN reserves the right of final interpretation

Light Intensity

Intensity(W/m²)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

*Voc(Isc) measured at 1000W/m², the extent of Voc(Isc) decreasing with light intensity.

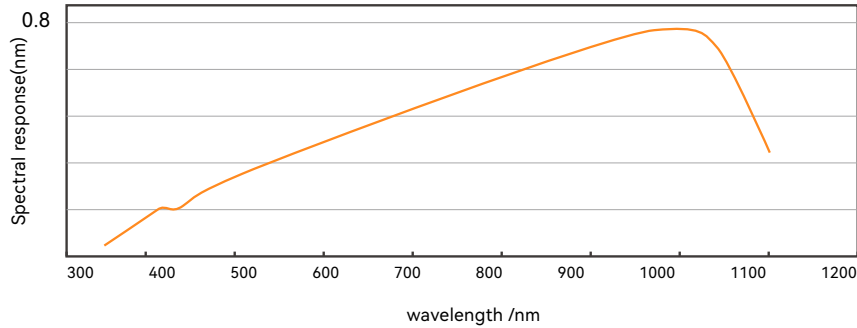
IV Curve



Temperature Coefficients

TkCurrent:	0.045%/K
TkVoltage:	-0.25%/K
TkPower:	-0.32 %/K

Spectral Response



Quality Control

accuracy of efficiency test control in ±0.1%
100% automatic inspection of electrical performance, appearance and EL
Calibration cells are traceable to Fraunhofer ISE