

M21016BTR01

N-Type TOPCon

Mechanical characteristics

Product Specification

N-Type TOPCon 16BB-210(M21016BTR01)
Bifacial Solar Cell

Dimension

182mm*210mm±0.5mm Φ272mm±0.5mm

Thickness

130±13μm

Solderability

Peel strength ≥1.1N/mm, Results may vary depending on electrode,welding method,and conditions.

Product Characteristics

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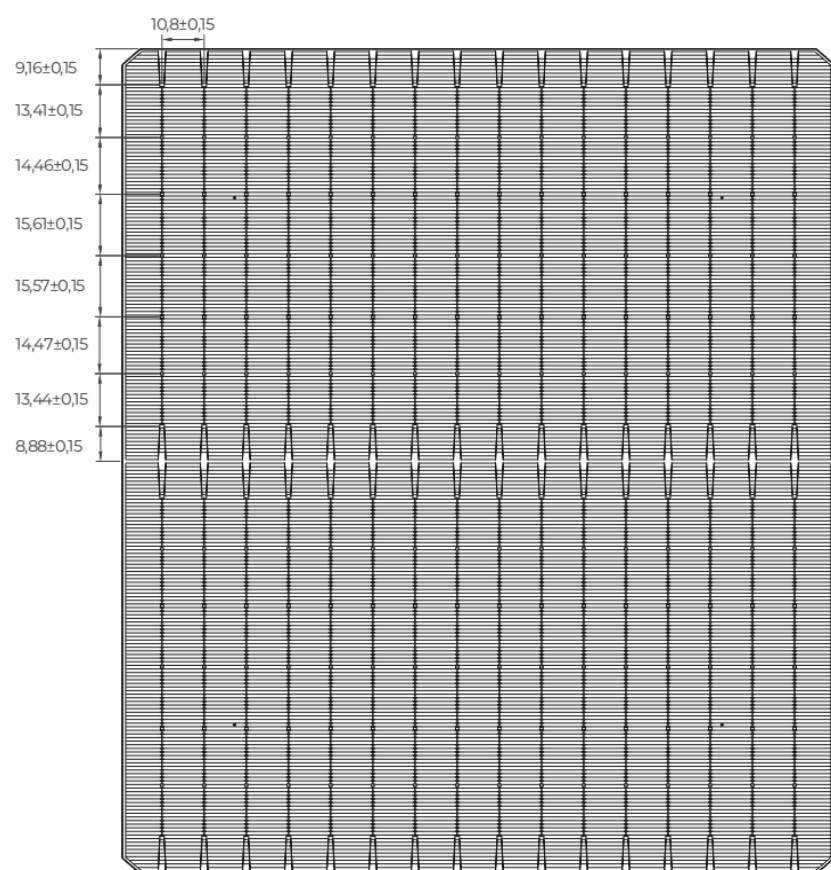
superior anti-PID performance
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temperature coefficient of power as low as -0.32%/K
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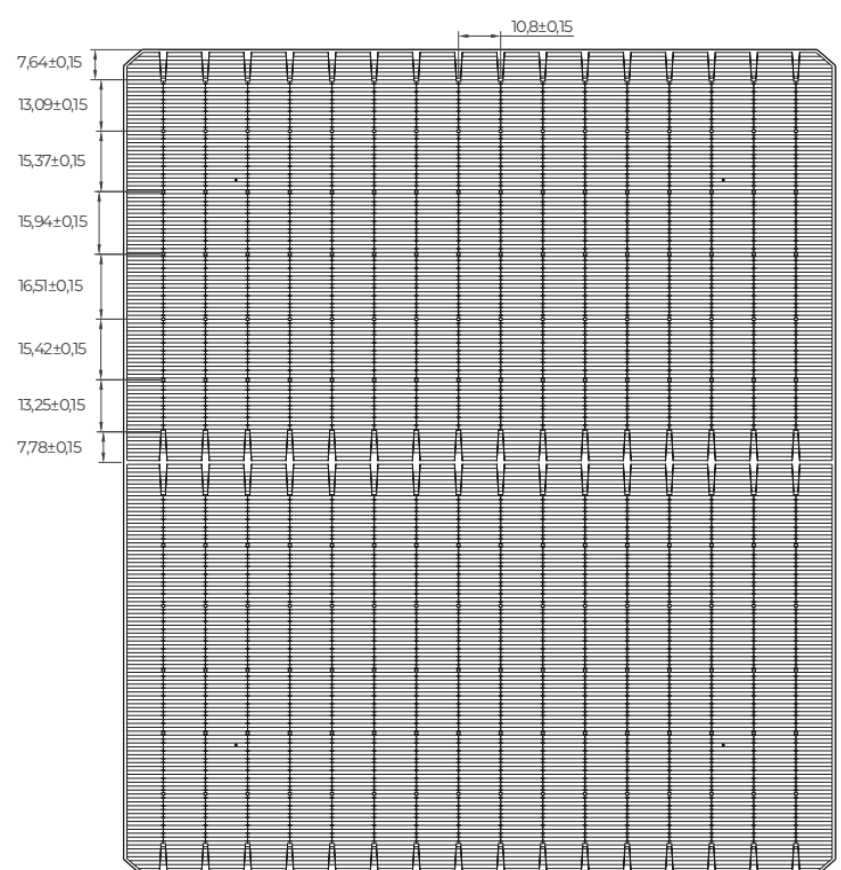
relative conversion efficiency ≥97% under low light 200W/m²
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Low cell to module(CTM) power loss,
more suitable for high-efficiency module

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	9.66	0.648	14.944	0.723	15.718	85.65
2	25.2	9.62	0.646	14.923	0.722	15.718	85.62
3	25.1	9.58	0.644	14.906	0.721	15.716	85.61
4	25.0	9.55	0.643	14.886	0.720	15.717	85.61
5	24.9	9.51	0.641	14.863	0.720	15.712	84.56
6	24.8	9.47	0.639	14.842	0.720	15.715	84.31
7	24.7	9.43	0.638	14.815	0.719	15.707	84.05
8	24.6	9.39	0.636	14.794	0.719	15.710	83.82
9	24.5	9.36	0.635	14.770	0.718	15.703	83.44
10	24.4	9.32	0.633	14.750	0.718	15.708	82.99
11	24.3	9.28	0.632	14.721	0.718	15.710	82.85
12	24.2	9.24	0.630	14.698	0.717	15.704	82.72
13	24.1	9.20	0.628	14.690	0.715	15.701	82.62
14	24.0	9.16	0.626	14.668	0.715	15.707	82.45
15	23.9	9.13	0.625	14.628	0.716	15.697	82.31

* 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

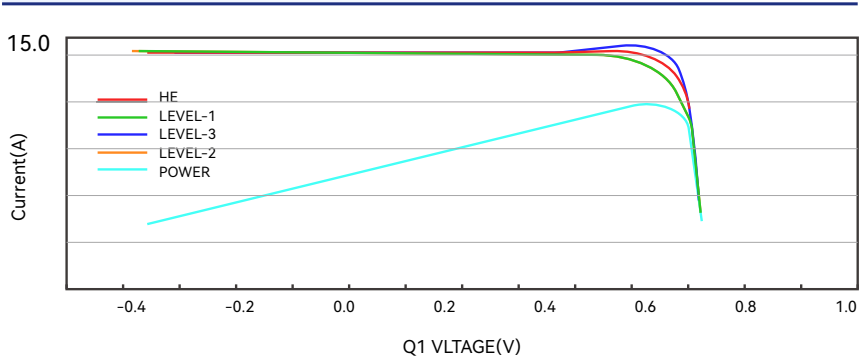
Intensity(W/m²)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

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

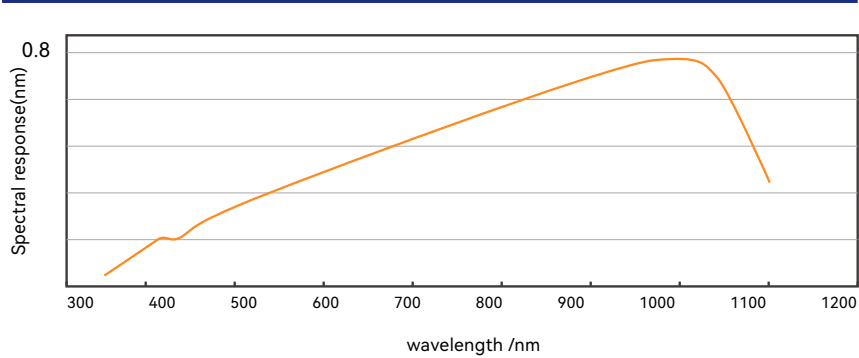
Temperature Coefficients

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

IV Curve



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