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File Name	210×210-18BB-TOPCon Solar Cell Product Specification		
File No.	JKLA/YXZX//DCQD-NB21000-16295	Version	2024K
Product Name	TOPCon MONO BIFACIAL CELL	Cell Specifications	LA-NB-139

一、Scope of Application

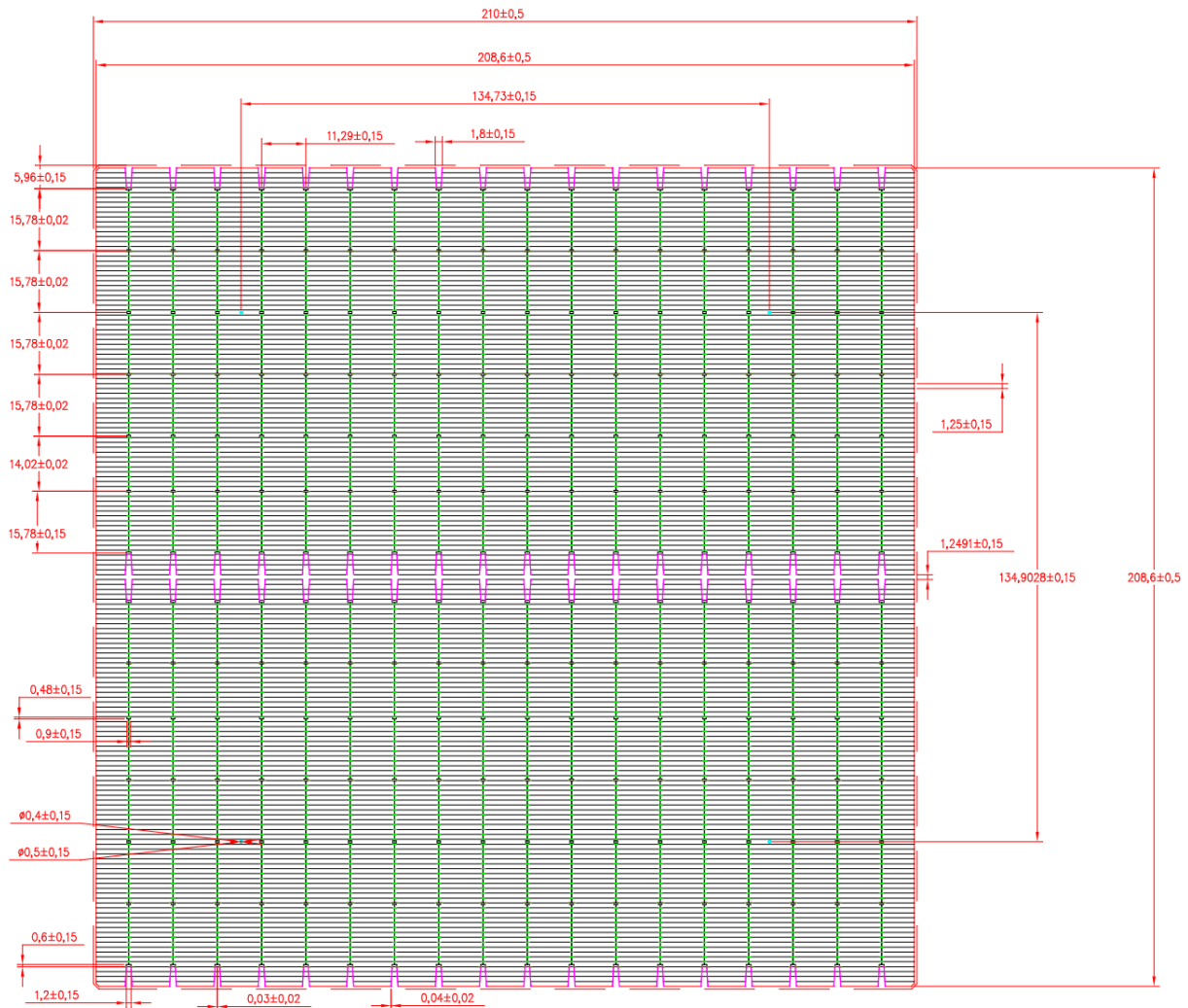
This specification specifies the characteristics of bifacial solar cells (210×210 size)。

二、Product Specification

Wafer Type	Size	Thickness	Positive cell pattern
Mono	210*210±0.5mm Φ295mm±0.25mm	130±13μm	18BB, Width: 0.030±0.015mm

1. Positive Electrode:

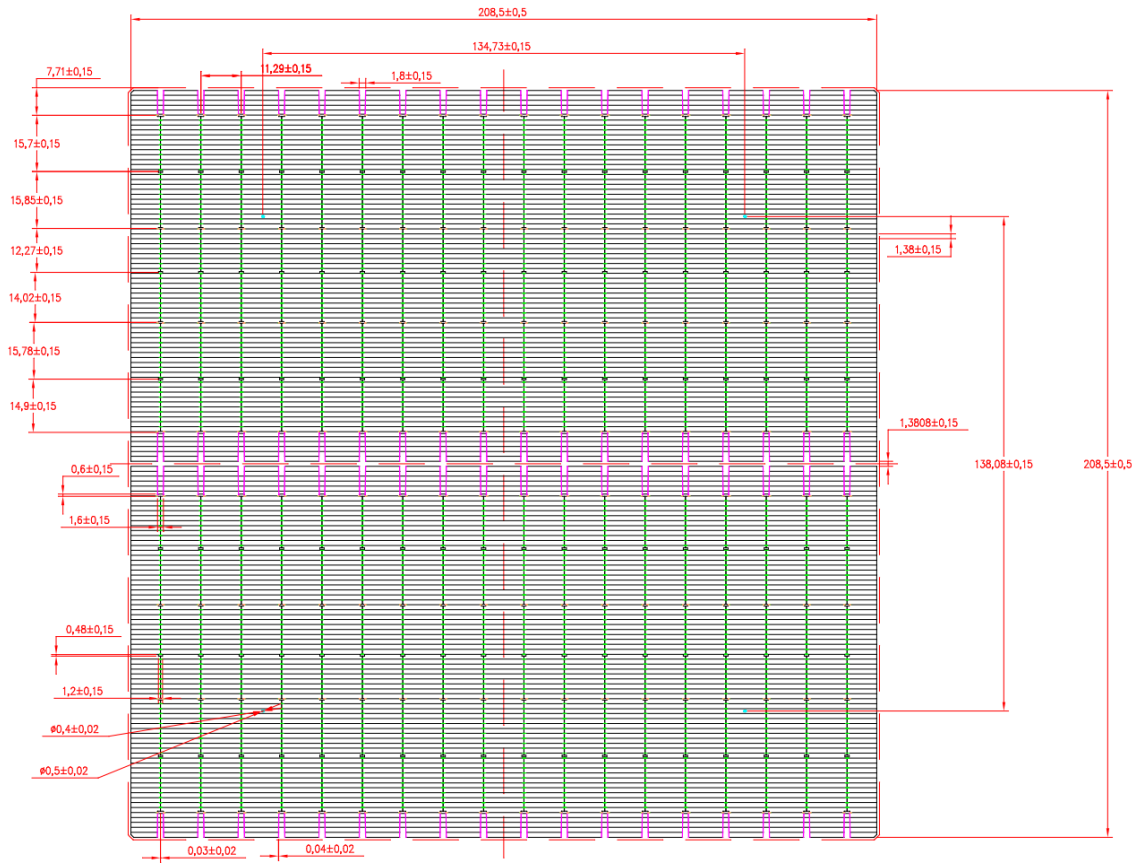
The positive electrode is designed according to the following drawings. The main grid of solar cell consists of 18 Busbar with a width of 0.030mm.



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Negative Electrode:

The negative electrode is designed according to the following drawings. The main grid of solar cell consists of 18 Busbar.



Above is the front and back of the solar cell design graphics. Refer to real cell.

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三、Characteristic

1. Efficiency Rating:

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Uoc(V)	Isc(A)
25.5	11.24	0.618	18.253	0.728	18.906
25.4	11.20	0.617	18.192	0.727	18.895
25.3	11.16	0.616	18.133	0.726	18.886
25.2	11.11	0.615	18.073	0.725	18.874
25.1	11.07	0.615	18.013	0.724	18.863
25.0	11.02	0.614	17.952	0.723	18.856
24.9	10.98	0.614	17.892	0.723	18.845
24.8	10.94	0.613	17.831	0.722	18.834
24.7	10.89	0.613	17.771	0.721	18.823
24.6	10.85	0.612	17.711	0.720	18.815
24.5	10.80	0.612	17.650	0.719	18.806
24.4	10.76	0.612	17.590	0.718	18.795
24.3	10.72	0.611	17.529	0.718	18.783
24.2	10.67	0.611	17.469	0.717	18.772
24.1	10.63	0.610	17.409	0.716	18.767

2. STC:

STC: Light Irradiance: 1000W/m², Light Spectrum: AM1.5, Temperature: 25°C

Standard cell origin:

First-class from: Fraunhofer

3. Visual inspection:

Inspection includes color and defect sorting :

Distance: Bare-eye distance from cell 30cm (direct-view to cell)。

Cell Color: Based on cells visual inspection standard(cell color sample)。

Inspection Time: Not less than 800LUX, about 5 seconds。

4. Color classification:

A range of cell is divided into four categories, from light to dark。

5. Temperature Coefficient:

Short circuit current temperature coefficient: +0.045%/°C

Open circuit voltage temperature coefficient: -0.26%/°C

Maximum power temperature coefficient: -0.30%/°C