

Mono Silicon N-type Solar Cell

ET-N-210R-16BB-Bifacial Cell

PRODUCT ADVANTAGES

1

The battery has high conversion efficiency, superior interface passivation and carrier transport capacity, and high UOC and FF.

2

The light attenuation is low, and the boron content in phosphorus doped N-type crystalline silicon is extremely low, which weakens the influence of boron and oxygen.

3

The production line of process equipment has high compatibility and can be compatible with the high-temperature paper cup production line of PERC and N-PERT double-sided batteries.

4

The combination of N-type TOPCon batteries with SE, IBC, multiple main grids, and stacked technology significantly improves battery efficiency and module power.

MECHANICAL DATA AND DESIGN				
Dimension	210mm*182.2mm±0.5mm			
Thickness	130±13μm	140±14μm	150±15μm	160um±16um
	165±16.5um			
Front (-)	16*0.03±0.02mm bus bars(silver) black anti-reflecting coating(silicon nitride)			
Back (+)	16*0.03±0.02mm bus bars(silver) black anti-reflecting coating(silicon nitride)			

ELECTRIC PERFORMANCE PARAMETERS							
档位	ETA (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
25.7	25.7	9.824	0.625	15.718	0.720	15.894	85.84
25.6	25.6	9.786	0.624	15.682	0.719	15.894	85.63
25.5	25.5	9.747	0.623	15.646	0.718	15.893	85.42
25.4	25.4	9.709	0.622	15.610	0.717	15.883	85.25
25.3	25.3	9.671	0.621	15.573	0.716	15.876	85.08
25.2	25.2	9.633	0.620	15.537	0.715	15.862	84.93
25.1	25.1	9.594	0.619	15.500	0.714	15.853	84.76
25.0	25.0	9.556	0.618	15.463	0.713	15.843	84.60
24.9	24.9	9.518	0.617	15.426	0.712	15.840	84.39
24.8	24.8	9.480	0.616	15.389	0.711	15.835	84.20
24.7	24.7	9.442	0.615	15.352	0.710	15.825	84.03
24.6	24.6	9.403	0.614	15.315	0.709	15.822	83.83
24.5	24.5	9.365	0.613	15.278	0.708	15.820	83.61
标准测试条件：1000W/m², AM1.5G, 25℃							

BACK ELECTRIC PERFORMANCE PARAMETERS

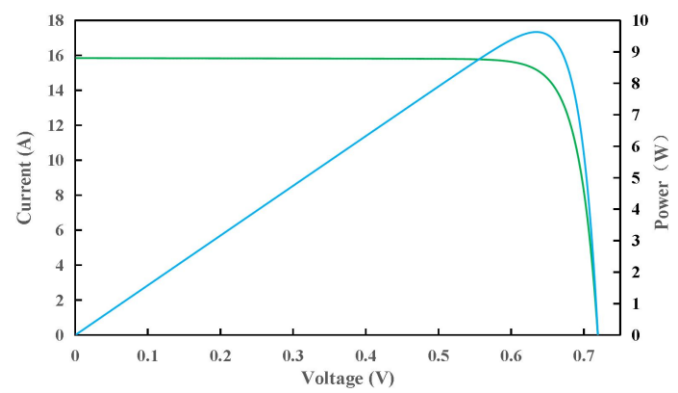
档位	ETA (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)
>21.0	>21.0	8.352	0.6381	13.089	0.7331	13.348
20.5-21.0	20.5-21.0	7.932	0.6369	12.454	0.7319	13.258
20.0-20.5	20.0-20.5	7.741	0.6319	12.250	0.7269	13.213
<20.0	<20.0	7.588	0.6279	12.084	0.7229	13.177
标准测试条件：1000W/m², AM1.5G, 25℃						

The above technical parameters are subject to technical changes and tests, and EliTe Solar. reserves the right of final interpretation.

STANDARD TEST CONDITION	
Illumination intensity	1000W/m ²
Spectrum	AM1.5 G
Test temperature	25°C

TEMPERATURE COEFFICIENTS	
Current Temperature Coefficient	0.048%/K
Voltage Temperature Coefficient	-0.30%/K
Power Temperature Coefficient	-0.38%/K

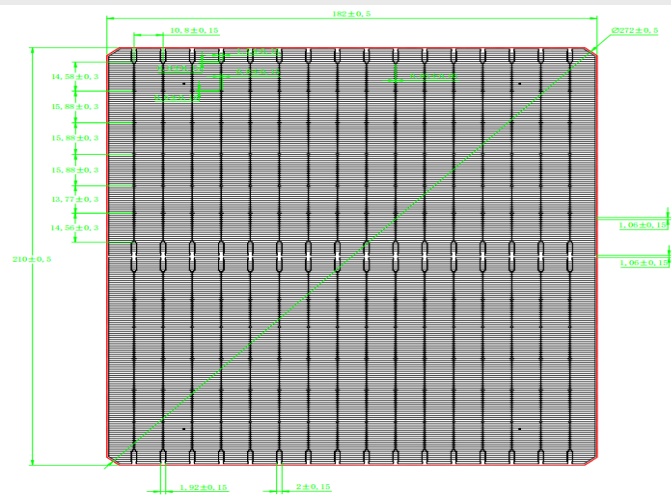
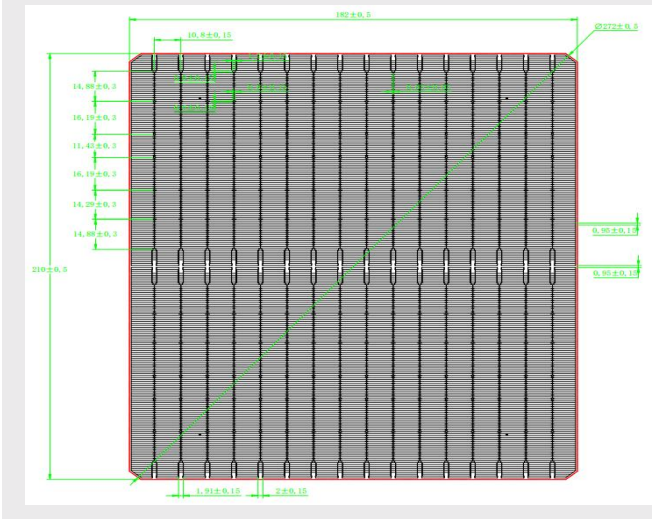
IV CURVE



Light intensity reliability

Intensity (W/m ²)	Uoc	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

PRODUCT APPEARANCE



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