

## Mono Silicon N-type Solar Cell

### ET-N-210-18BB-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*210mm±0.5 mm Φ295mm±0.5mm			
Thickness	130±13μm	140±14μm	150±15μm	160um±16um
	165±16.5um			
Front (-)	18*0.036±0.02mm bus bars(silver) black anti-reflecting coating(silicon nitride)			
Back (+)	18*0.036±0.02mm bus bars(silver) black anti-reflecting coating(silicon nitride)			

ELECTRIC PERFORMANCE PARAMETERS

档位	Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
25.2	25.2	11.112	0.629	17.666	0.728	18.484	82.58
25.1	25.1	11.068	0.628	17.624	0.727	18.477	82.40
25.0	25.0	11.024	0.627	17.582	0.726	18.469	82.22
24.9	24.9	10.980	0.626	17.540	0.725	18.457	82.05
24.8	24.8	10.936	0.625	17.497	0.724	18.448	81.87
24.7	24.7	10.892	0.624	17.455	0.723	18.428	81.75
24.6	24.6	10.848	0.623	17.412	0.722	18.395	81.68
24.5	24.5	10.804	0.621	17.396	0.720	18.391	81.59
24.4	24.4	10.759	0.620	17.354	0.718	18.391	81.48
24.3	24.3	10.715	0.619	17.311	0.716	18.388	81.39
24.2	24.2	10.671	0.617	17.296	0.714	18.386	81.29
24.1	24.1	10.627	0.616	17.252	0.712	18.376	81.23
24.0	24.0	10.583	0.614	17.236	0.710	18.358	81.19
23.9	23.9	10.539	0.612	17.221	0.709	18.330	81.10
23.8	23.8	10.495	0.610	17.205	0.708	18.300	81.00

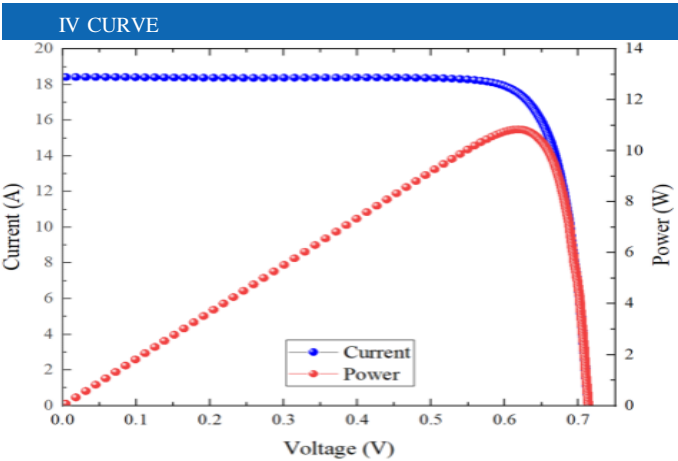
BACK ELECTRIC PERFORMANCE PARAMETERS

档位	Eff	Pmpp	Umpp	Impp	Uoc	Isc	FF
	(%)	(W)	(V)	(A)	(V)	(A)	(%)
>20.5%	>20.5%	8.951	0.588	15.224	0.700	17.036	75.06
20.3%-20.5%	20.3%-20.5%	8.907	0.586	15.200	0.699	17.004	74.94
20.1%-20.3%	20.1%-20.3%	8.863	0.585	15.151	0.698	16.939	74.97
<20.1%	<20.1%	8.819	0.583	15.127	0.697	16.895	74.89

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

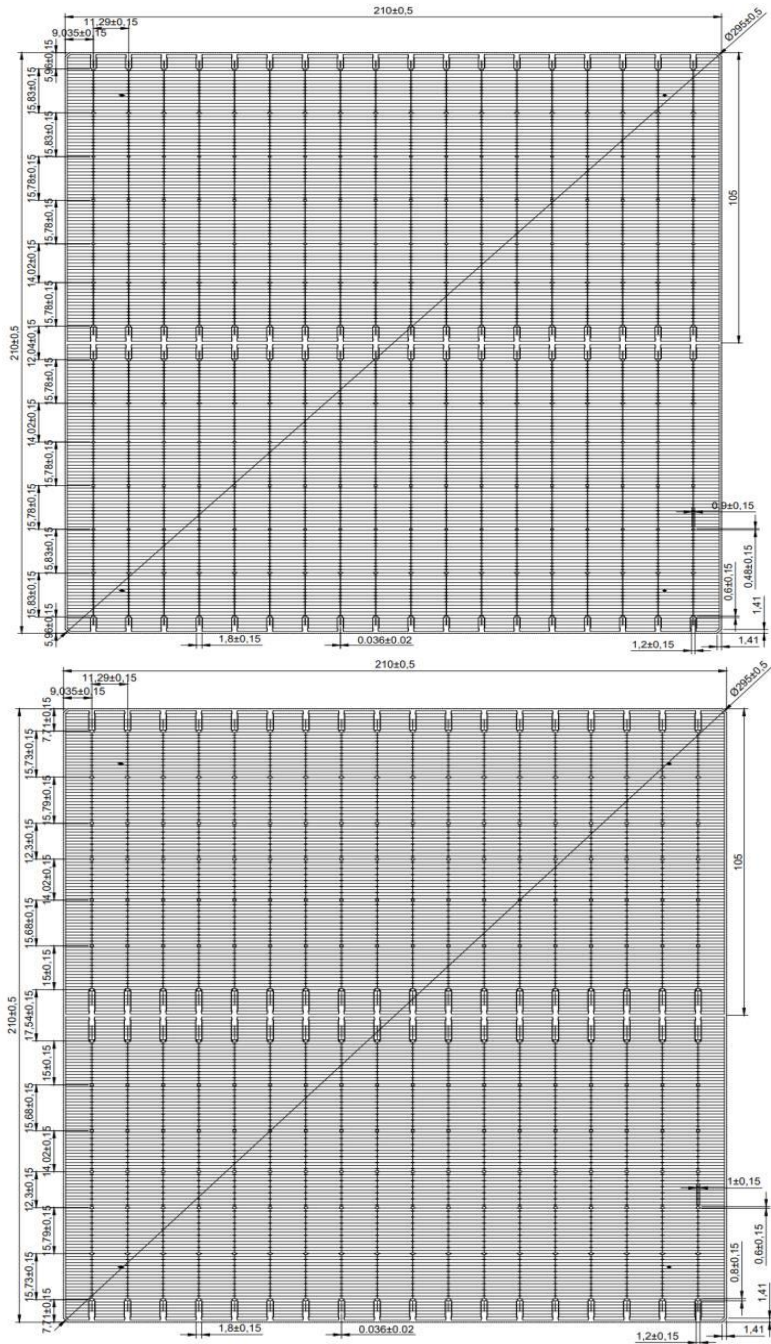
STANDARD TEST CONDITION	
Illumination intensity	1000W/m <sup>2</sup>
Spectrum	AM1.5G
Test temperature	25°C

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



Light intensity reliability		
Intensity (W/m <sup>2</sup> )	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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