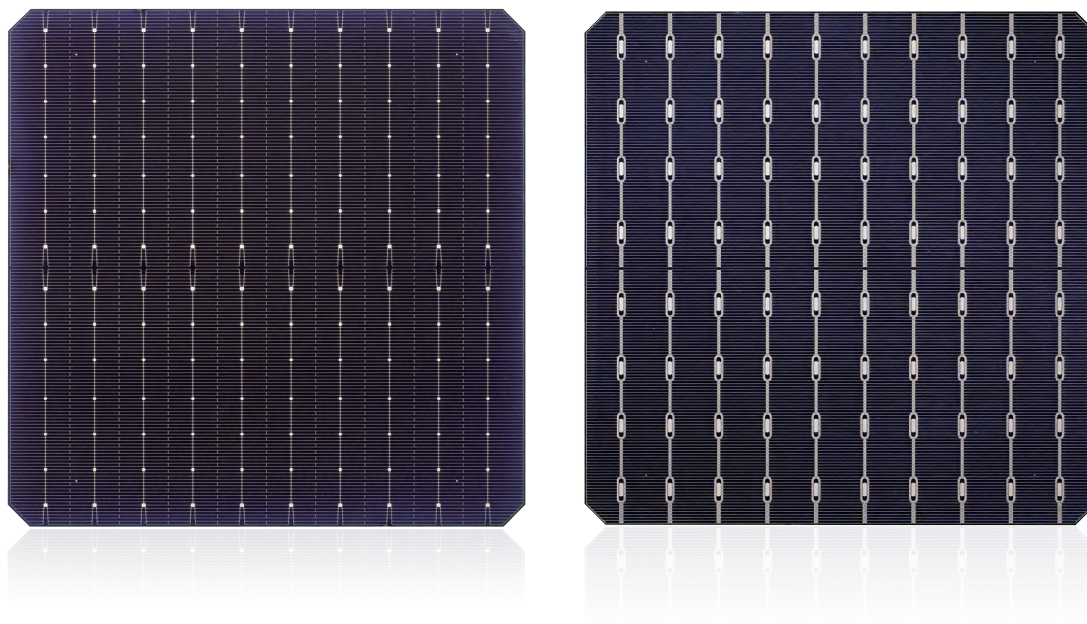


Mono 182 PERC Bifacial Cell

LNE-M10

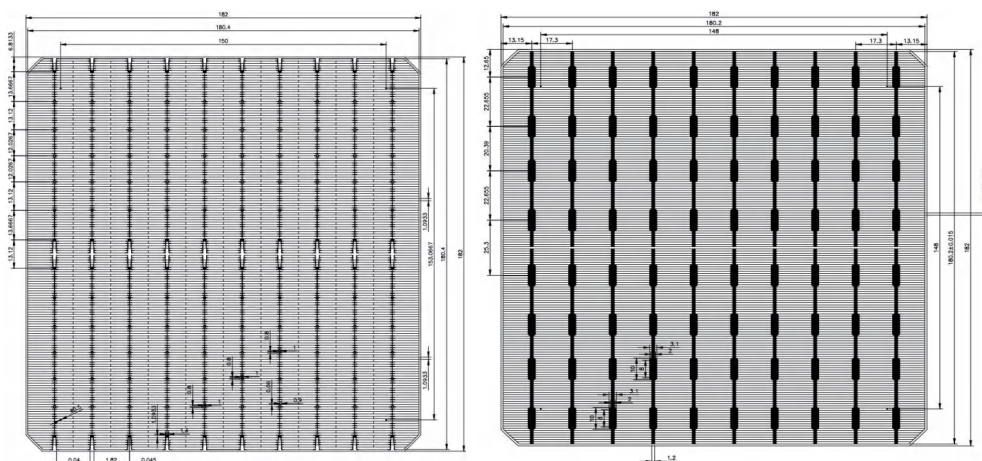


Mechanical characteristics

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm
Cell Thickness	175μm±17.5μm
Front side (-)	Silicon oxide+blue silicon nitride compound anti-reflection coating(PID Free);The width of the busbar is 1.0±0.05mm; the head of the busbar is forked;the number of the finger is 166;The front side of solar cell is designed as a half sheet.
Back side (+)	Passivated Emitter (AlOx and SiNx dual layer) rear contact;The width and length of the Ag electrode is 2.0±0.1mm, the number of the aluminum busbar is 10; the number of the aluminum finger is 176.
Solderability	Peel strength ≥1.0N/mm Results may vary depending on the conditions.

Mono 182 PERC Bifacial Cell

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Electrical Characteristics

Grade	Eff(%)	Pmpp(W)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)	FF(%)
1	23.30	7.69	0.591	13.02	0.694	13.649	81.18
2	23.20	7.66	0.589	12.99	0.693	13.627	81.07
3	23.10	7.63	0.588	12.97	0.692	13.619	80.94
4	23.00	7.59	0.586	12.96	0.691	13.612	80.78
5	22.90	7.56	0.584	12.94	0.689	13.607	80.68
6	22.80	7.53	0.583	12.91	0.688	13.579	80.53
7	22.70	7.49	0.581	12.90	0.687	13.577	80.36
8	22.60	7.46	0.580	12.87	0.687	13.534	80.21
9	22.50	7.43	0.579	12.83	0.685	13.510	80.27
10	22.40	7.40	0.576	12.83	0.683	13.500	80.24
11	22.30	7.36	0.578	12.74	0.685	13.439	80.03
12	22.20	7.33	0.575	12.76	0.685	13.486	79.32
13	22.10	7.30	0.574	12.70	0.682	13.426	79.70
14	22.00	7.26	0.572	12.70	0.682	13.402	79.46

Under standard test condition: 1000W/m², AM1.5, 25°C

Temperature coefficients

Temperature coefficients of open circuit voltage: -0.36%/K

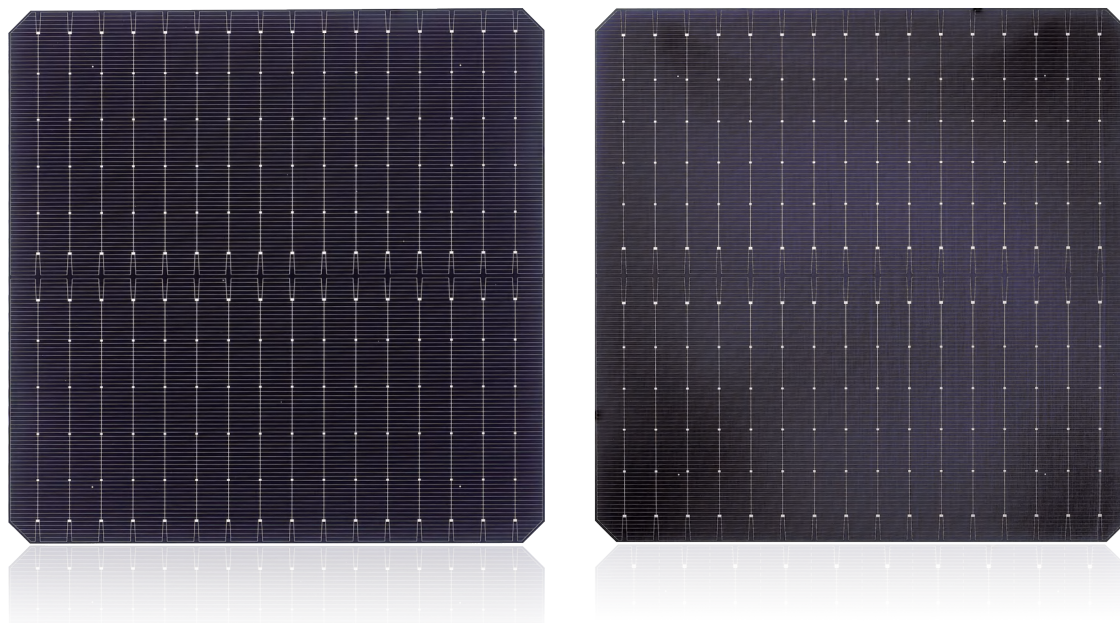
Temperature coefficients of short circuit current: +0.07%/K

Temperature coefficients of maximum power: -0.38%/K

Mono 182 TOPCON Bifacial Cell



LNE-N10

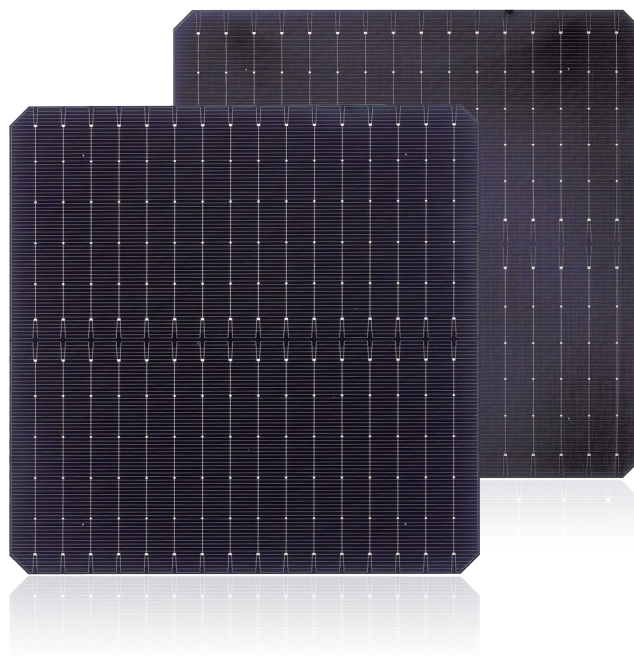


Mechanical characteristics

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm
Cell Thickness	155±15.5μm
Front side (-)	SiNx AR Coating;The width of the busbar is 0.036±0.02mm; the head of the busbar is forked;the number of the finger is 132;The front side of solar cell is designed as a half sheet.
Back side (+)	SiNx AR Coating;The width and length of the Ag electrode is 0.036±0.02mm, the number of the aluminum busbar is 16; the number of the aluminum finger is 146.
Solderability	Peel strength ≥0.5N/mm Results may vary depending on the conditions.

Mono 182 TOPCON Bifacial Cell

LNE-N10



Electrical Characteristics

Grade	Eff(%)	Pmpp(W)	Vmpp(V)	Ippp(A)	Voc(V)	Isc(A)	FF(%)
1	25.1	8.29	0.6131	13.518	0.7141	14.078	82.46
2	25.0	8.25	0.6122	13.475	0.7132	14.035	82.42
3	24.9	8.22	0.6114	13.440	0.7124	14.000	82.42
4	24.8	8.19	0.6106	13.405	0.7116	13.965	82.42
5	24.7	8.16	0.6097	13.370	0.7107	13.930	82.42
6	24.6	8.12	0.6089	13.335	0.7099	13.895	82.32
7	24.5	8.09	0.6081	13.300	0.7091	13.860	82.31
8	24.4	8.06	0.6073	13.265	0.7083	13.825	82.31
9	24.3	8.02	0.6065	13.230	0.7075	13.790	82.20
10	24.2	7.99	0.6059	13.195	0.7069	13.755	82.17
11	24.1	7.96	0.6054	13.155	0.7064	13.715	82.16
12	24.0	7.92	0.6040	13.115	0.7050	13.675	82.15
13	23.9	7.89	0.6032	13.080	0.7042	13.640	82.14
14	23.8	7.86	0.6024	13.055	0.7034	13.615	82.07

Under standard test condition: 1000W/m², AM1.5, 25°C

Temperature coefficients

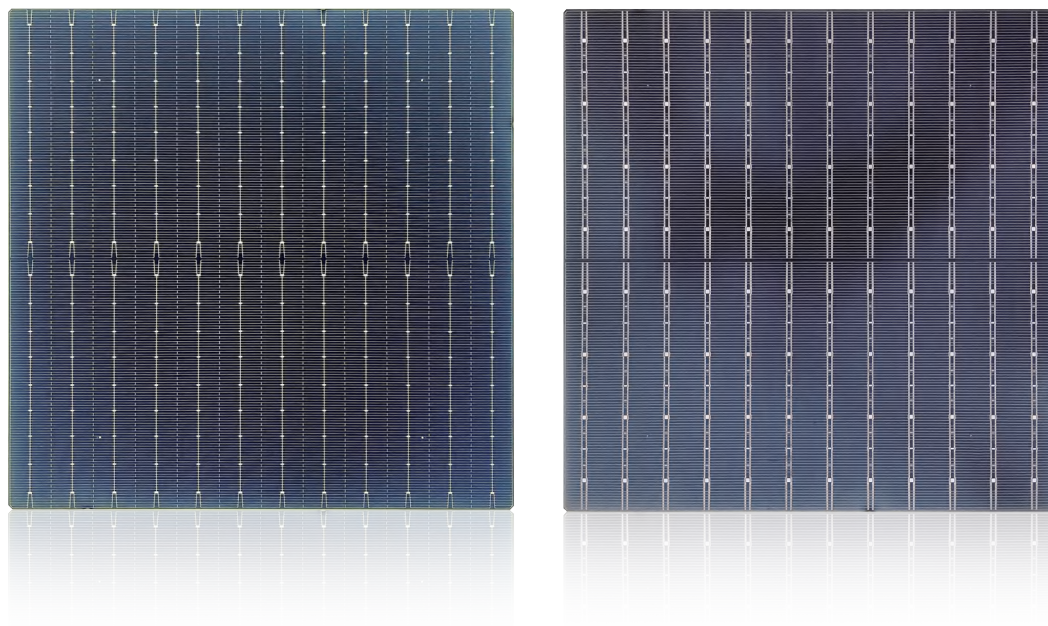
Temperature coefficients of open circuit voltage: -0.25%/K

Temperature coefficients of short circuit current: +0.045%/K

Temperature coefficients of maximum power: -0.32%/K

Mono 210 PERC Bifacial Cell

LNE-G12

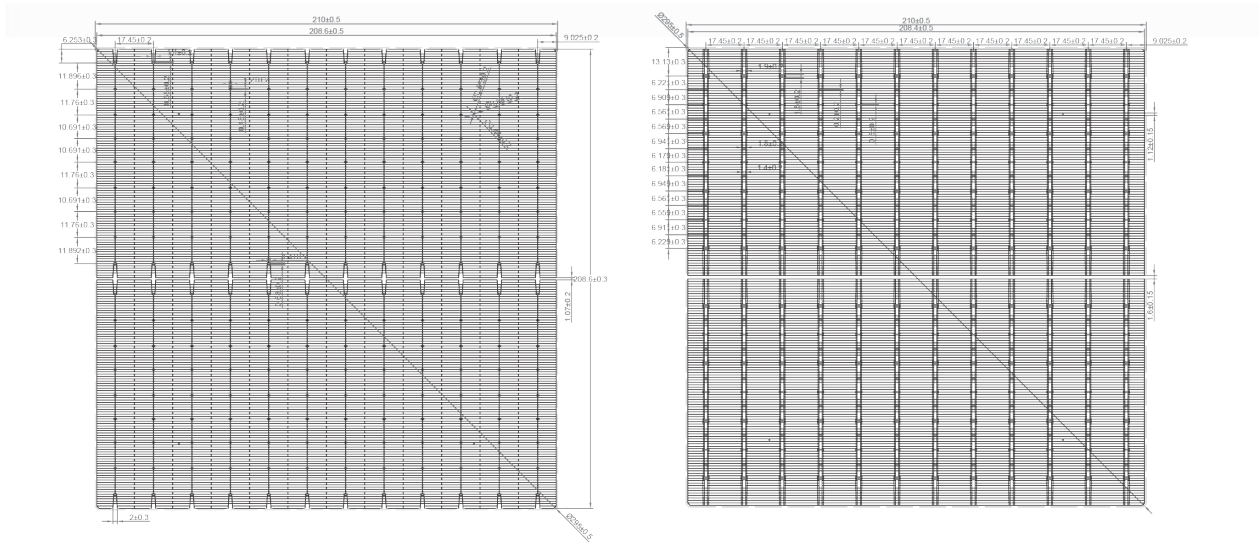


Mechanical characteristics

Substrate materia	P-type mono-crystalline silicon wafer-PERC
Cell thickness	175 μ m \pm 17.5 μ m
Dimension	210mm*210mm \pm 0.5mm
Diagonal	295mm \pm 0.5mm
Front (-)	12*0.05mm \pm 0.03mm bus bars (silver) 196 lines, Silicon oxide + blue silicon nitride compound antireflection coating(PID Free)
Back (+)	1.4 \pm 0.3mm wide soldering pads (silver) , Silicon oxynitride and Aluminum lines back-surface field, Laser design of vertical bus bars

Mono 210 PERC Bifacial Cell

LNE-G12



Electrical Characteristics

Grade	Gear position%	Open-circuit voltage V	Short circuit current A	Optimum operating voltage V	Optimum operating current A	Maximum output power W
1	23.1	0.690	18.186	0.590	17.261	10.18
2	23.0	0.689	18.166	0.589	17.216	10.14
3	22.9	0.688	18.140	0.587	17.206	10.10
4	22.8	0.687	18.125	0.586	17.151	10.05
5	22.7	0.686	18.108	0.584	17.140	10.01
6	22.6	0.685	18.088	0.583	17.101	9.97
7	22.5	0.685	18.062	0.581	17.074	9.92
8	22.4	0.684	18.049	0.579	17.064	9.88
9	22.3	0.682	18.030	0.577	17.036	9.83
10	22.2	0.681	18.016	0.575	17.026	9.79
11	22.1	0.680	17.955	0.574	16.986	9.75

Standard Test Conditions: 1000W/m², AM1.5, 25 °C

Specifications subjects to technical changes and test , SolarSpace Technology Co., Ltd reserves the right of final interpretation