

Mono 182 PERC Bifacial Cell

LNE-M10

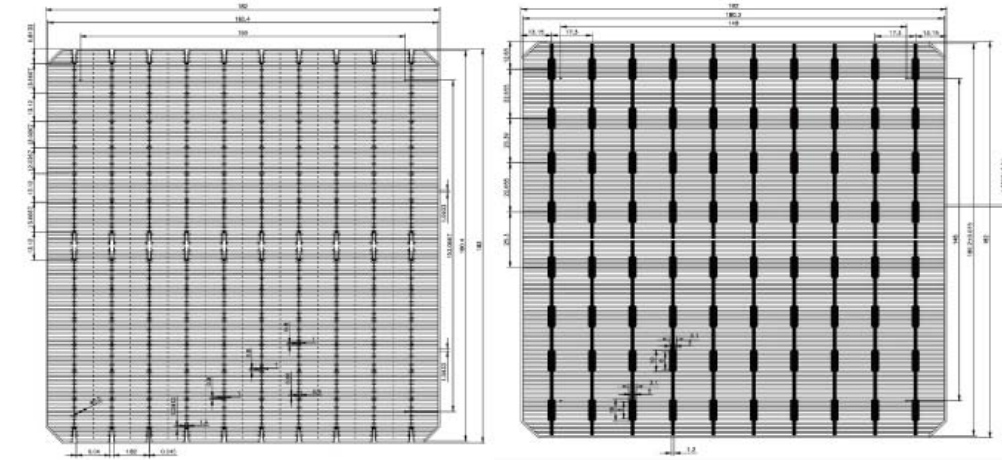


Mechanical characteristics

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm
Cell Thickness	160-10/+20μm
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.

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Electrical Characteristics

Grade	Eff(%)	Pmpp(W)	Vmpp(V)	Ipp(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