

Mono 182 TOPCON Bifacial Cell

LNE-N10



Mechanical characteristics

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm
Cell Thickness	140±14μm
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.

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Electrical Characteristics

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