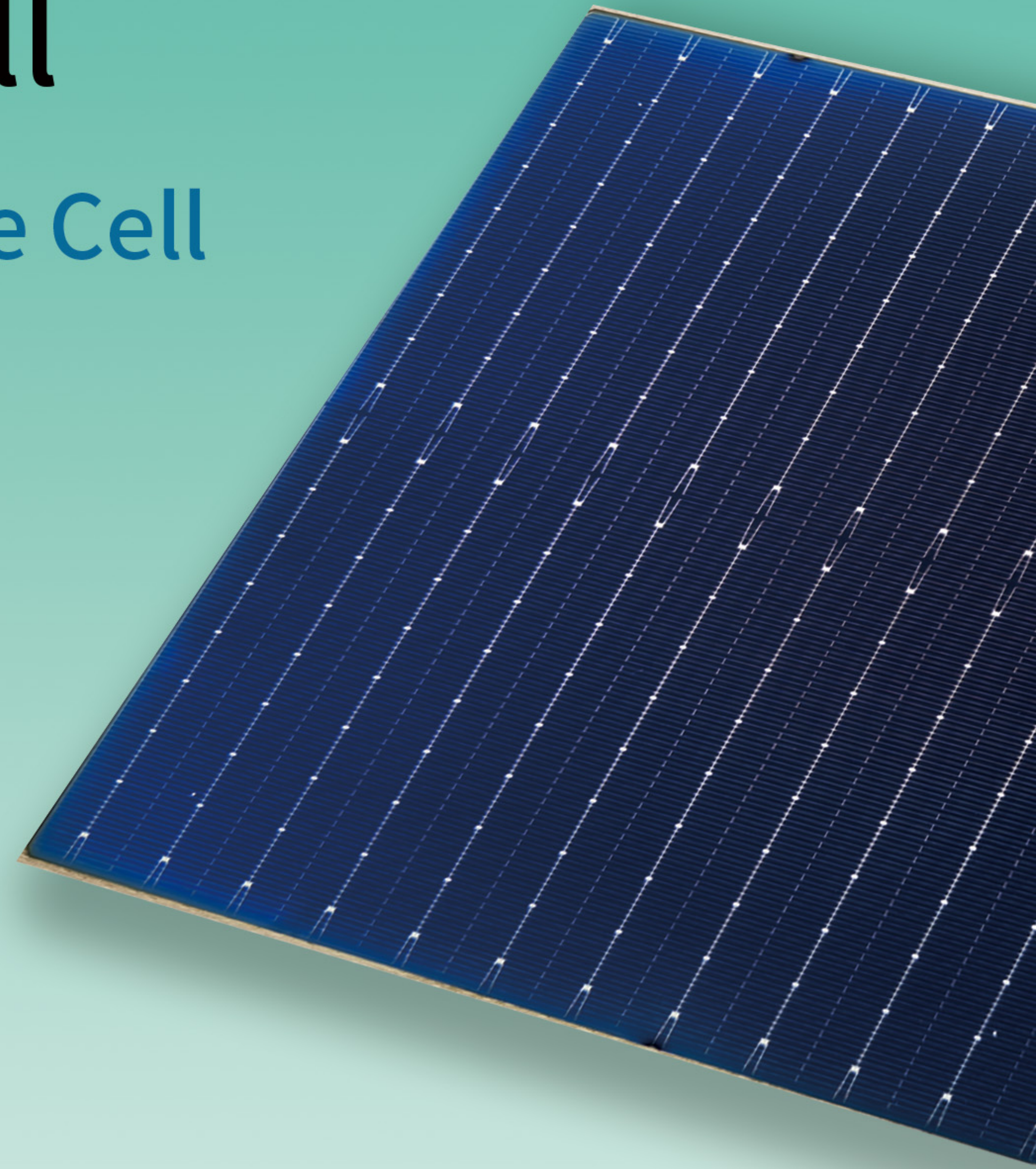


Kylin N-type Series Cell

Bifacial Monocrystalline N-Type Cell

YSM182-16BB



High Conversion Efficiency
Front Efficiency >23.5%



Bifacial
Efficiency >75%



LID \leq 1.5%



Superior
Anti-PID
Performance



Power
Temperature
Coefficient
As low as -0.34%/K



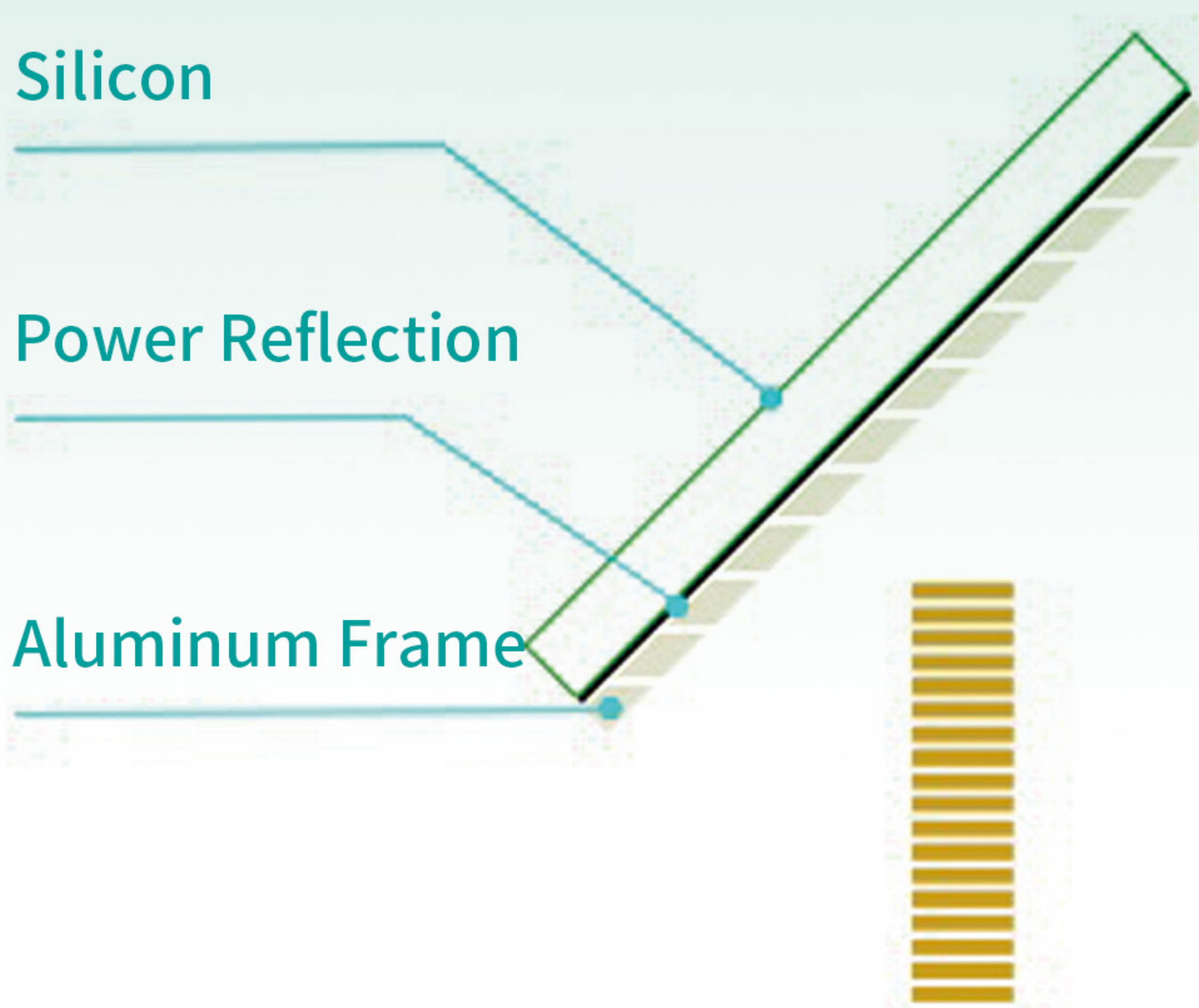
Lower sealing loss
More suitable for
high-efficiency
modules

Kylin Series Cell

Silicon

Power Reflection

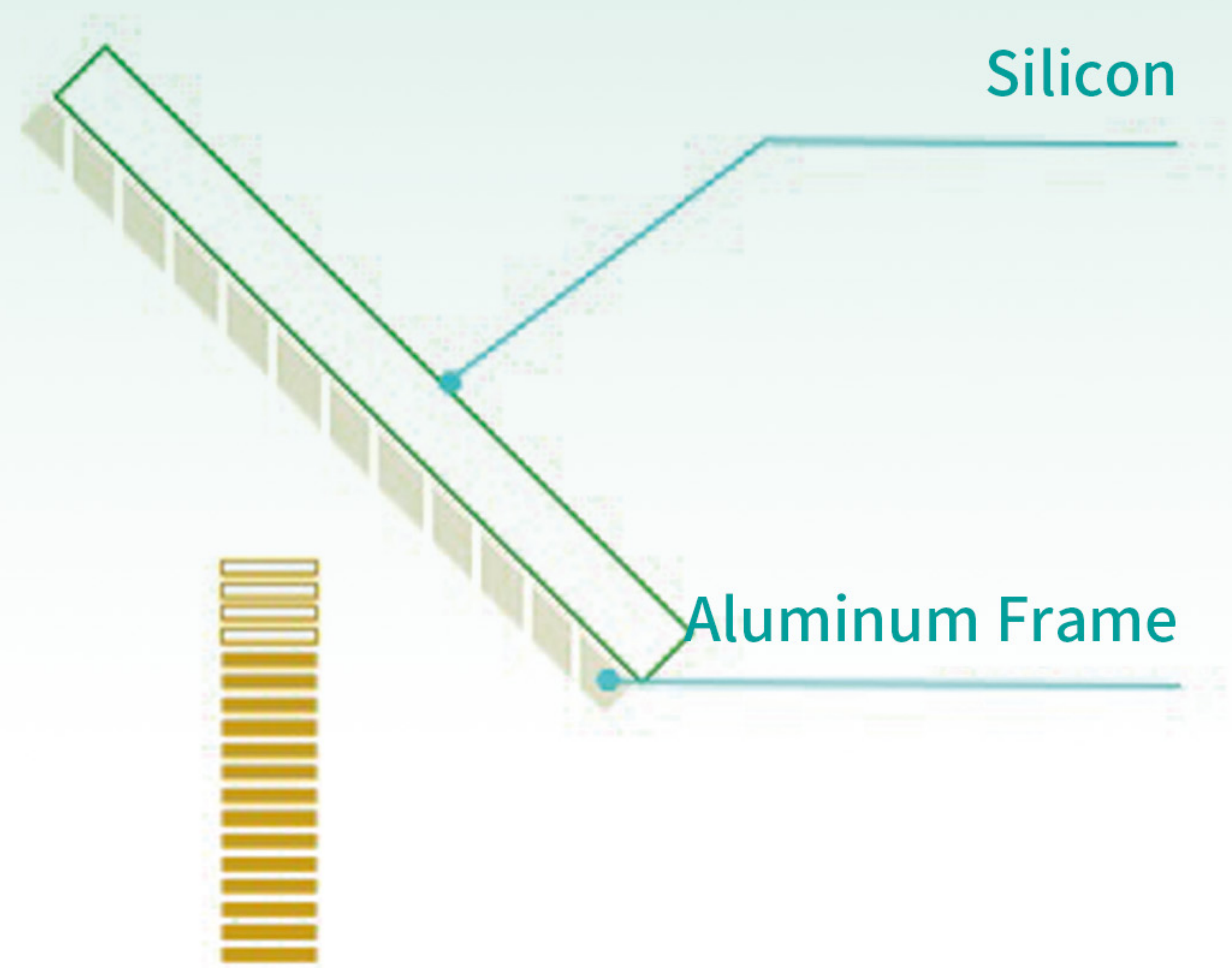
Aluminum Frame



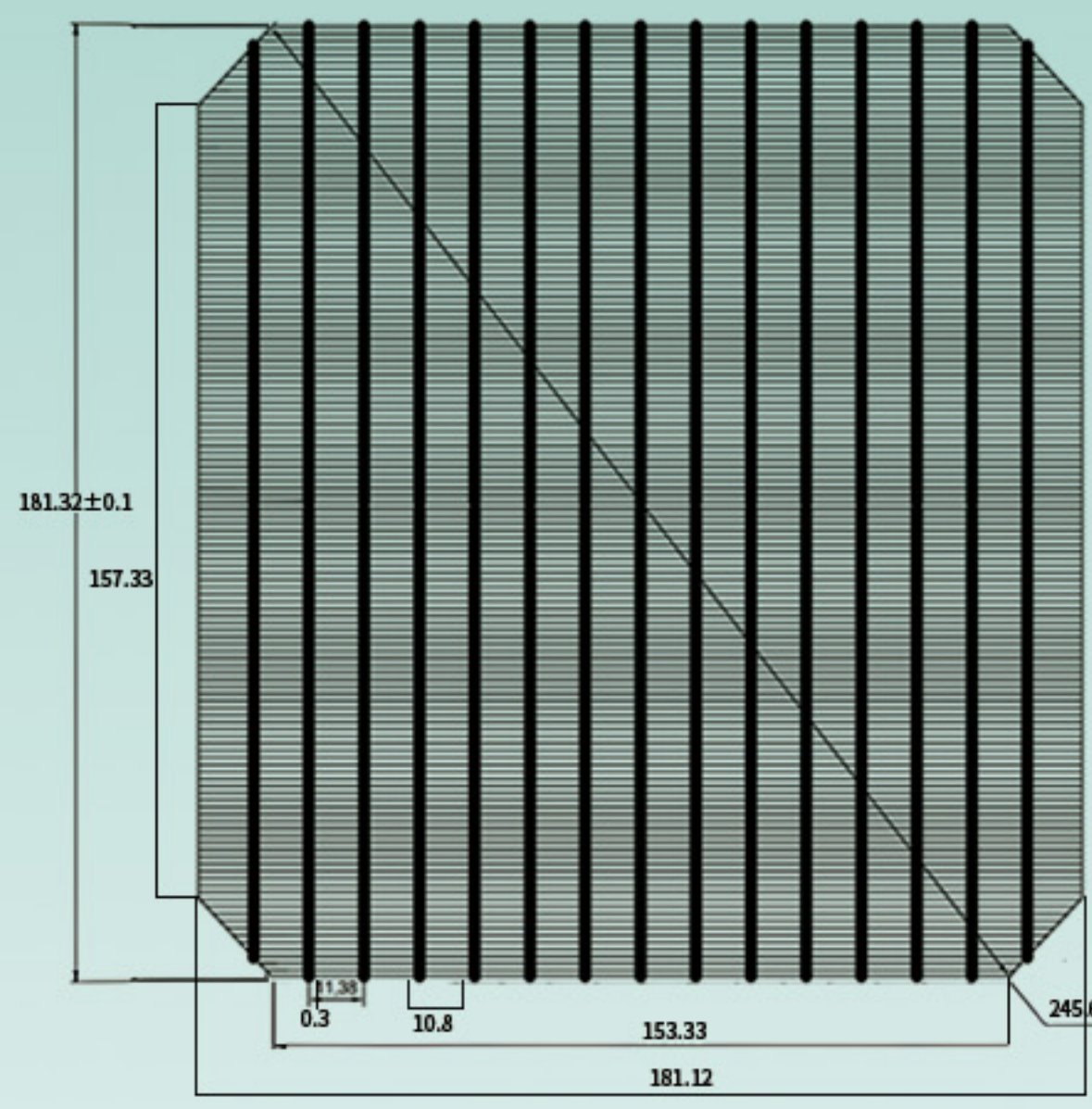
Conventional Photovoltaic Cell

Silicon

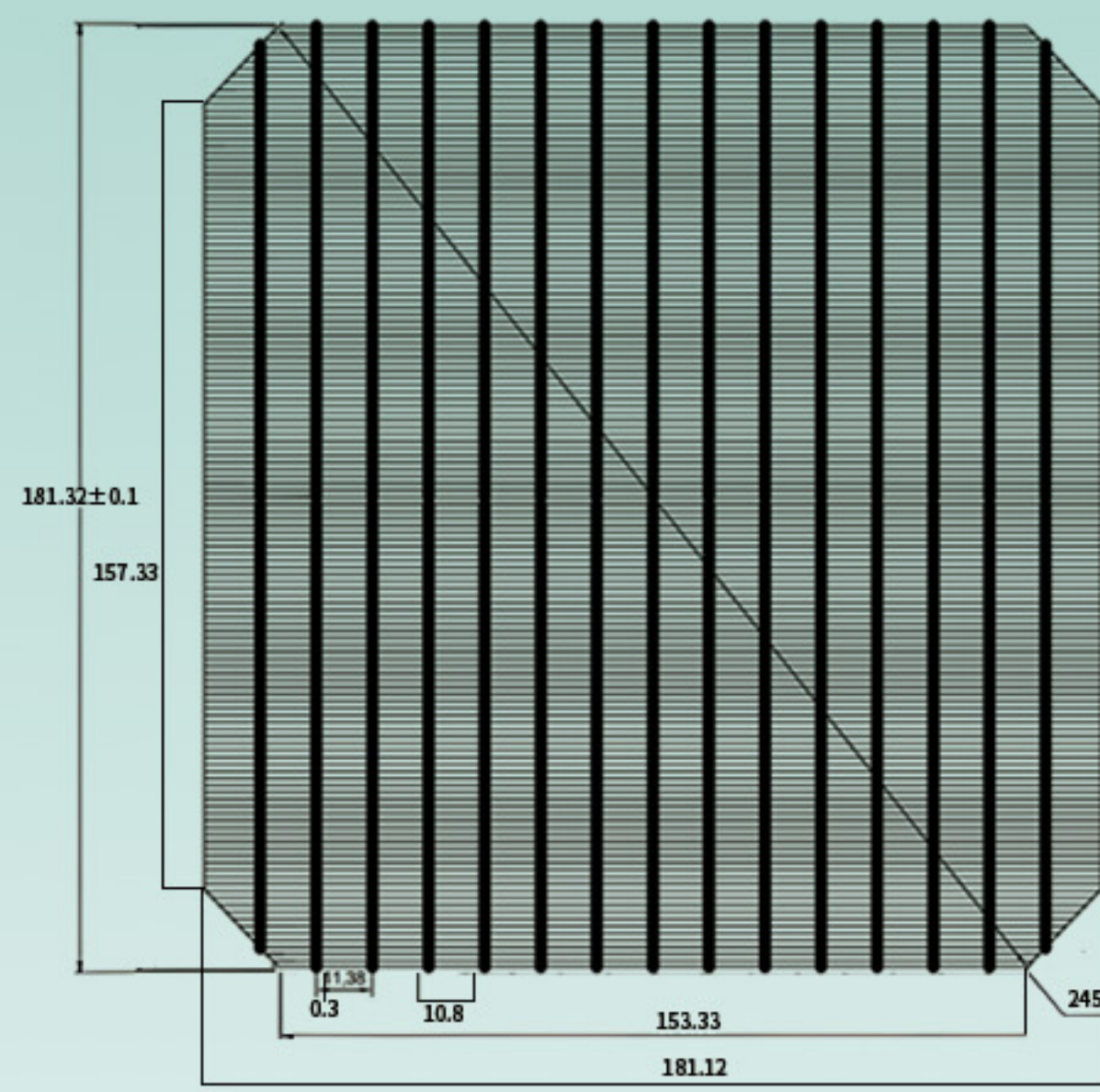
Aluminum Frame



Cell Dimensions

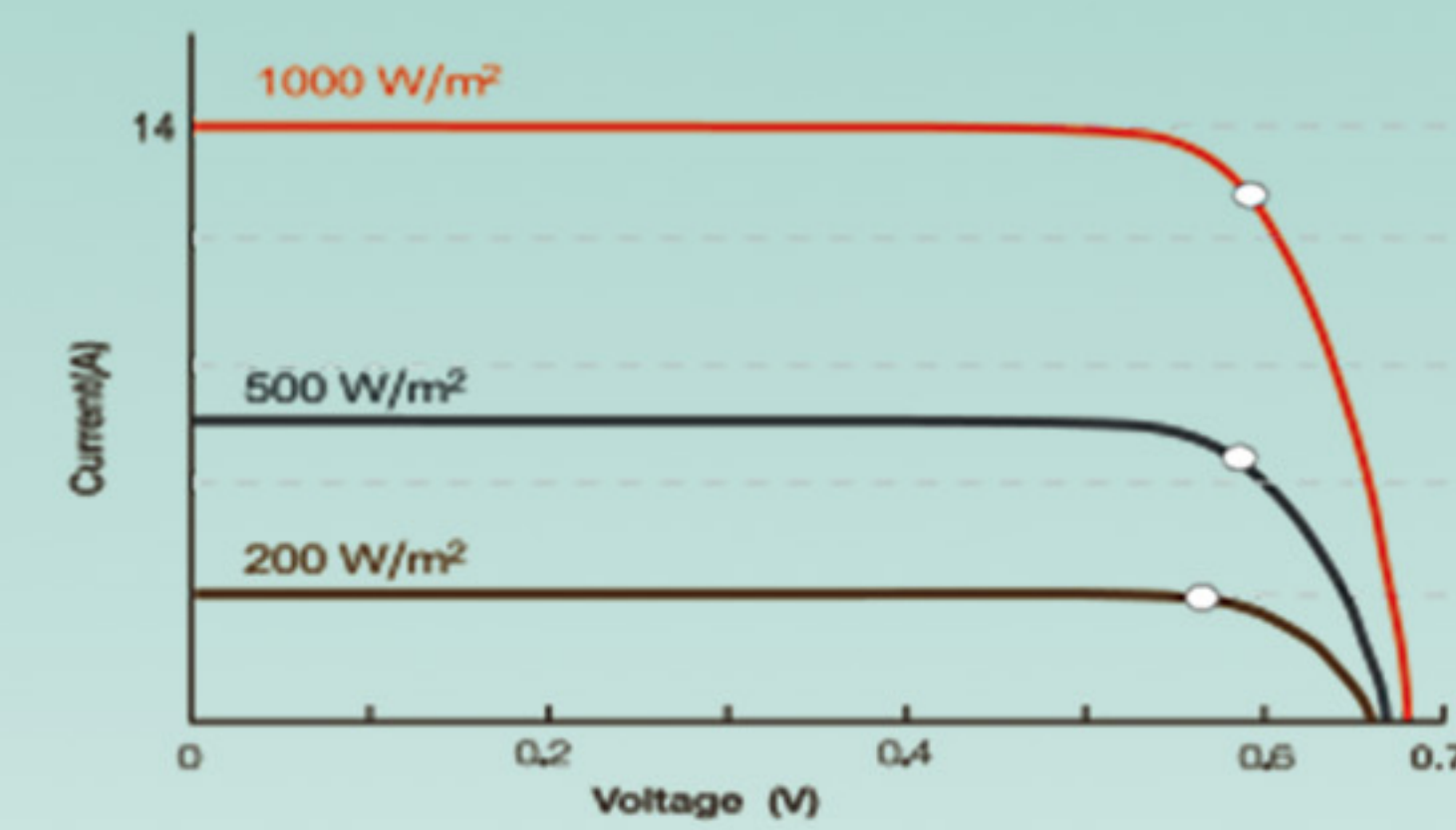


Cell Front Side

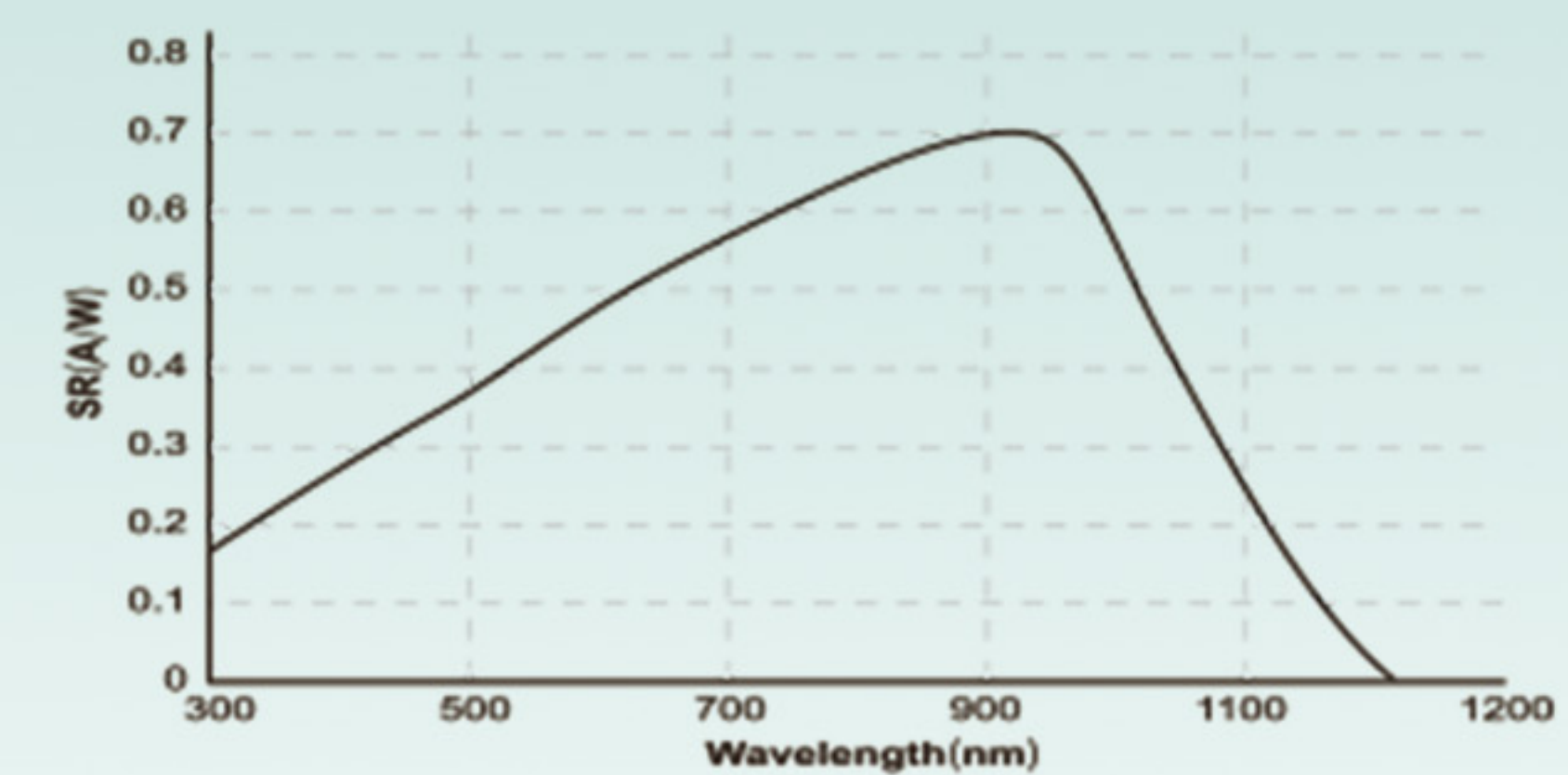


Cell Rear Side

IV Curve



Spectral Response



Product Features

Size Specification	182mmx182mm±0.25mm,φ247±0.25mm
Cell Thickness	135um±13.5pm
Front Side	Busbar width of 0.03±0.015mm, with 132 fingers, silicon nitride oxide
Rear Side	Busbar width of 0.03±0.015mm, with 134 fingers, silicon nitride oxide

Temperature Coefficient

Current Temperature Coefficient	+0.045%/K
Voltage Temperature Coefficient	-0.25%/K
Power Temperature Coefficient	-0.30%/K

Electrical Performance Characteristics

Efficiency Eff(%)	Range Efficiency	Power Pmpp(W)	Maximum Power Current Impp(A)	Maximum Power Voltage Umpp(V)	Short Circuit Current Isc(A)	Open Circuit Voltage Uoc(V)
25.5	Above 25.5	8.42	13.651	0.6168	14.218	0.7178
25.4	25.4-25.5	8.38	13.606	0.6159	14.183	0.7169
25.3	25.3-25.4	8.35	13.577	0.6150	14.148	0.7160
25.2	25.2-25.3	8.32	13.553	0.6141	14.113	0.7151
25.1	25.1-25.2	8.29	13.518	0.6131	14.078	0.7141
25.0	25.0-25.1	8.25	13.475	0.6122	14.035	0.7132
24.9	24.9-25.0	8.22	13.440	0.6114	14.001	0.7124
24.8	24.8-24.9	8.19	13.405	0.6106	13.965	0.7116
24.7	24.7-24.8	8.16	13.370	0.6097	13.930	0.7107
24.6	24.6-24.7	8.12	13.335	0.6089	13.895	0.7099
24.5	24.5-24.6	8.09	13.300	0.6081	13.860	0.7091
24.4	24.4-24.5	8.06	13.265	0.6073	13.825	0.7083
24.3	24.3-24.4	8.02	13.230	0.6065	13.790	0.7075
24.2	24.2-24.3	7.99	13.195	0.6059	13.755	0.7069
24.1	24.1-24.2	7.96	13.155	0.6054	13.715	0.7064
24.0	24.0-24.1	7.92	13.115	0.6040	13.675	0.7050
23.9	23.9-24.0	7.89	13.080	0.6032	13.640	0.7042
23.8	23.8-23.9	7.86	13.055	0.6024	13.615	0.7034
23.7	23.7-23.8	7.82	13.006	0.6016	13.581	0.7023
23.6	23.6-23.7	7.79	12.968	0.6008	13.543	0.7012

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