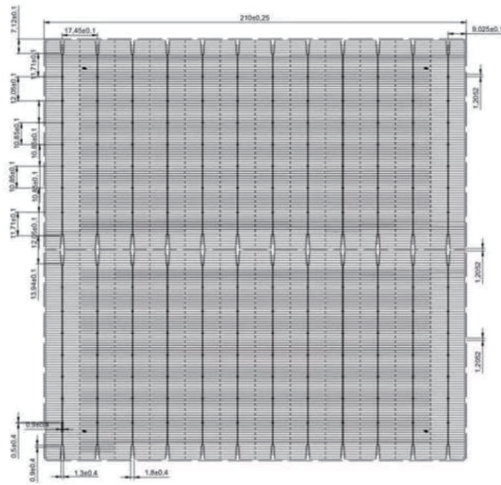
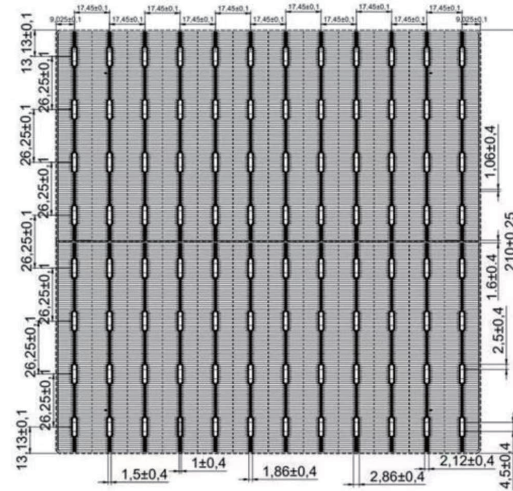


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P-PERC BIFACIAL CELL SPECIFICATIONS



● Front Side



● Back Side

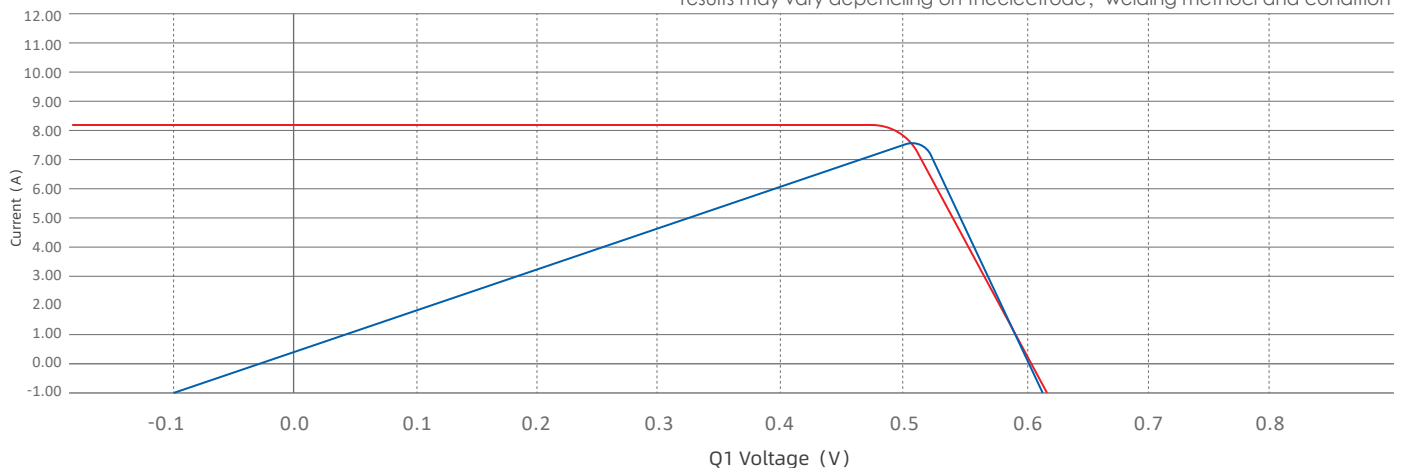
Technical Information and Design

Dimension	210mm*210mm±0.25mm
Thickness	180±20µm
Front	12*0.06±0.04mm Main busbar (silver)
Back	covered by aluminum back surface field

Temperature Coefficient

TkUoc(%/K)	-0.36
Tklsc(%/K)	+0.07
TkPmax(%/K)	-0.38

IV Curve

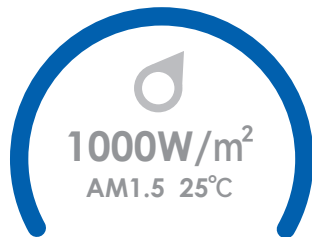


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P-PERC BIFACIAL CELL SPECIFICATIONS

Eff (%)	Pmpp(W)	Vmpp(V)	Ippp(A)	Uoc(V)	Isc(A)	FF(%)
23.1	10.18	0.590	17.261	0.690	18.186	81.15
23.0	10.14	0.589	17.216	0.689	18.166	81.01
22.9	10.10	0.587	17.206	0.688	18.140	80.93
22.8	10.05	0.586	17.151	0.687	18.125	80.71
22.7	10.01	0.584	17.140	0.686	18.108	80.58
22.6	10.01	0.583	17.101	0.685	18.088	80.46
22.5	9.92	0.581	17.074	0.685	18.062	80.18
22.4	9.88	0.579	17.064	0.684	18.049	80.02
22.3	9.83	0.577	17.036	0.682	18.030	79.94
22.2	9.79	0.575	17.026	0.681	18.016	79.79
22.1	9.75	0.574	17.986	0.680	17.995	79.68

☑ Standard testing condition



*The above technical parameters are subject to technical alteration and testing.

☑ Conditions of Use



*This specification applies to HuaNeng photovoltaic solar cells and establishes the characteristics and conditions of use of solar cells.