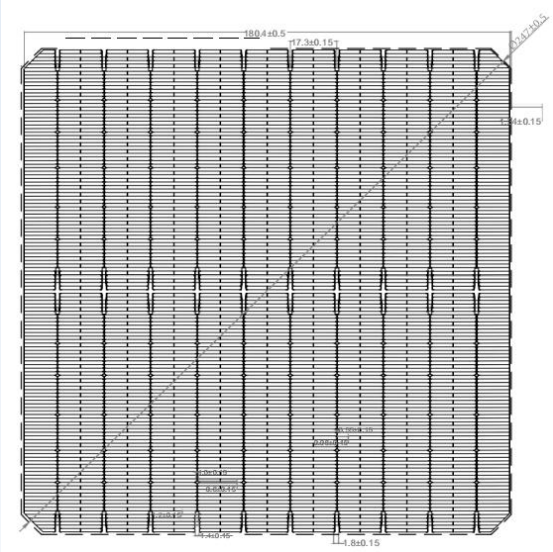
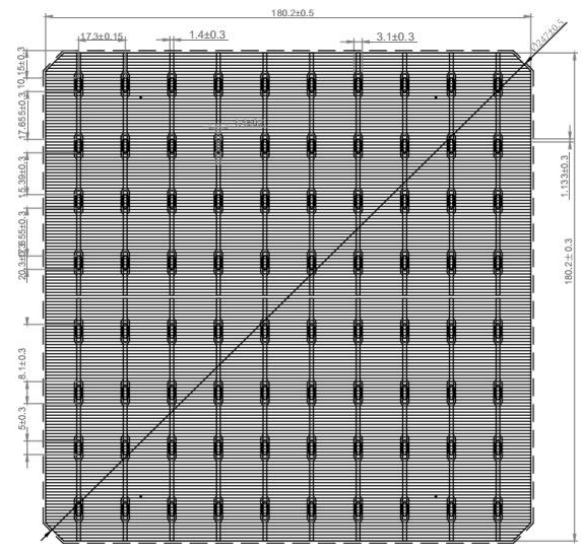
Allesun

182 Mono Solar Cell 10BB

Product Appearance





Technical Data and Design

Dimension	182*182±0.5mm
Thickness	175±00μm
Front	10*0.1mm±0.03mm wide bus bars
Back(+)	1.7±0.03mm back silver grid line connection

Temperature Coefficients

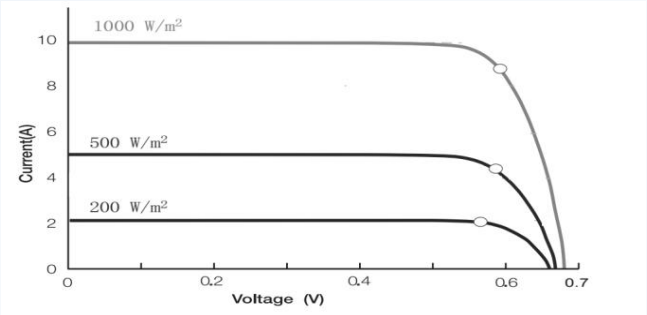
TkVoc (%/K)	**-0.36**
TkIsc(%/K)	**+0.06**
TkP_{MAX}(%/K)	**-0.36**

Light Intensity dependence

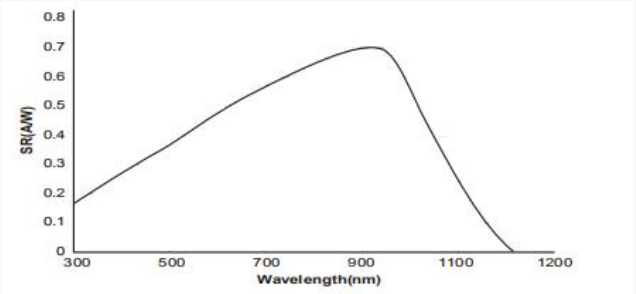
Intensity(W/m^2)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

Take the Voc (Isc) at 1000W/m^2as the standard, test the range of Voc(Isc) decrease with light intensity.

IV Curve



Spectral Response



Electrical Performance

Efficiency Code	Efficiency(%)	P_{mpp}(W)	V_{mpp}(V)	I_{mpp}(A)	V_{oc}(V)	I_{sc} (A)
AV-182/10M-231S	23.10%	7.63	0.5899	12.950	0.6869	13.576
AV-182/10M-230S	23.00%	7.59	0.5875	12.925	0.6861	13.553
AV-182/10M-229S	22.90%	7.56	0.5889	12.838	0.6850	13.532
AV-182/10M-228S	22.80%	7.53	0.5875	12.812	0.6841	13.517
AV-182/10M-227S	22.70%	7.49	0.5860	12.789	0.6833	13.502
AV-182/10M-226S	22.60%	7.46	0.5845	12.765	0.6823	13.482
AV-182/10M-225S	22.50%	7.43	0.5830	12.741	0.6812	13.469
AV-182/10M-224S	22.40%	7.40	0.5815	12.717	0.6801	13.358
AV-182/10M-223S	22.30%	7.36	0.5800	12.693	0.6790	13.341
AV-182/10M-222S	22.20%	7.33	0.5785	12.669	0.6779	13.324

STC (Standard Testing Conditions):1000W/m2,AM1.5,25 °C
Technical parameters above-mentioned subjects to technical changes and tests.

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