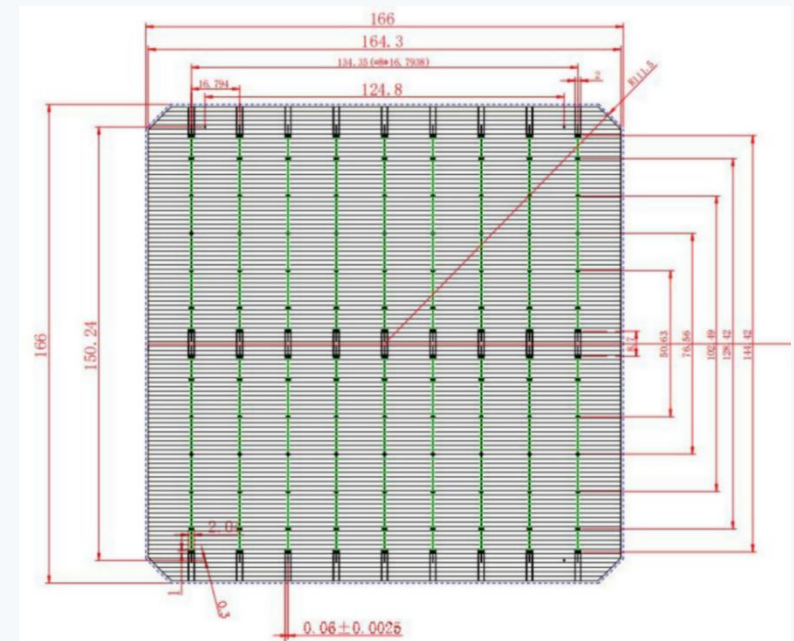
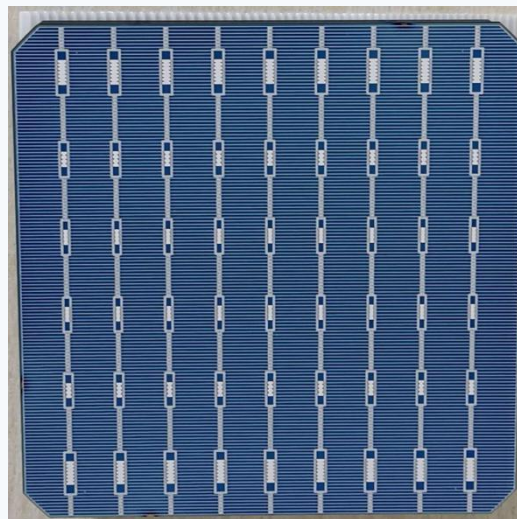
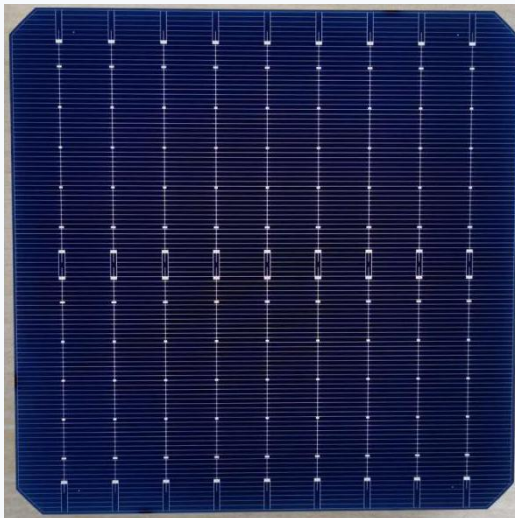


Allesun New Energy Vietnam Co., Ltd.

166 Bifacial Mono Solar Cell

Product Appearance



Technical Data and Design

Dimension	166*166±0.25Φ223mm
Thickness	180±30μm
Front	9*0.1mm±0.03mm wide bus bars
Back(+)	1.3±0.025mm back silver grid line connection

Temperature Coefficients

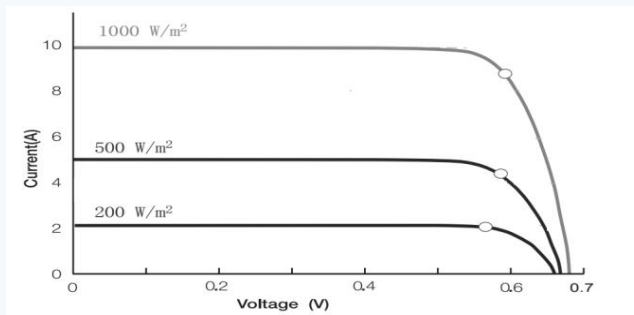
TkVoc (%/K)	-0.36
TkIsc(%/K)	+0.07
TkP _{MAX} (%/K)	-0.38

Light Intensity dependence

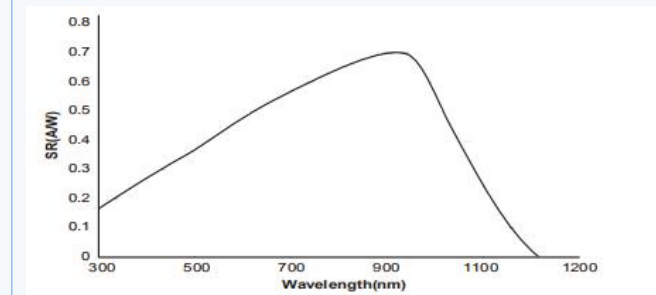
Intensity(W/m ²)	Voc	Isc
1000	1.00	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

Take the Voc (Isc) at 1000W/m² as 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-166/9M-228	22.80%	6.25	0.5916	10.566	0.6859	11.100
AV-166/9M-227	22.70%	6.22	0.5905	10.540	0.6837	11.105
AV-166/9M-226	22.60%	6.20	0.5887	10.525	0.6822	11.090
AV-166/9M-225	22.50%	6.17	0.5873	10.503	0.6811	11.082
AV-166/9M-224	22.40%	6.14	0.5856	10.486	0.6807	11.075
AV-166/9M-223	22.30%	6.11	0.5835	10.477	0.6790	11.060
AV-166/9M-222	22.20%	6.09	0.5817	10.462	0.6780	11.046
AV-166/9M-221	22.10%	6.06	0.5799	10.448	0.6777	11.039
AV-166/9M-220	22.00%	6.03	0.5781	10.433	0.6774	11.021
AV-166/9M-219	21.90%	6.00	0.5760	10.424	0.6748	11.014
AV-166/9M-218	21.80%	5.98	0.5742	10.409	0.6743	10.996

STC (Standard Testing Conditions):1000W/m²,AM1.5,25 °C

Technical parameters above-mentioned subjects to technical changes and tests.