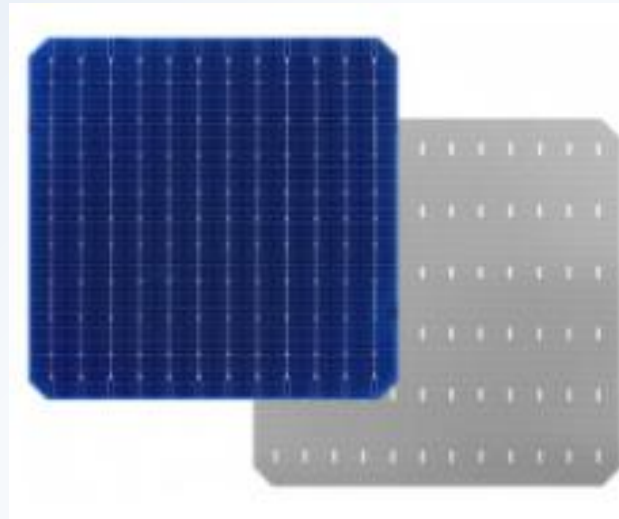




Allesun New Energy Vietnam Co., Ltd.

166 12BB Mono Solar Cell

Product Appearance



Technical Data and Design

Dimension	166*166±0.25Φ223mm
Thickness	190±30μm
Front	12*0.1mm±0.05mm wide bus bars
Back(+)	1.2±0.03mm back silver grid line connection

Temperature Coefficients

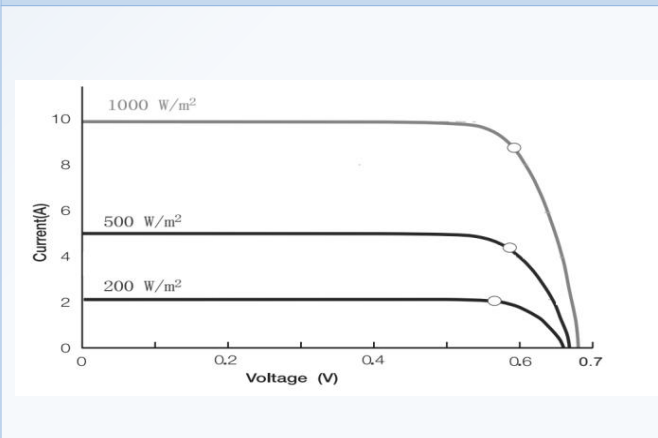
TkVoc (%/K)	-0.36
TkIsc(%/K)	+0.07
TkP _{MAX} (%/K)	-0.38

Light Intensity dependence

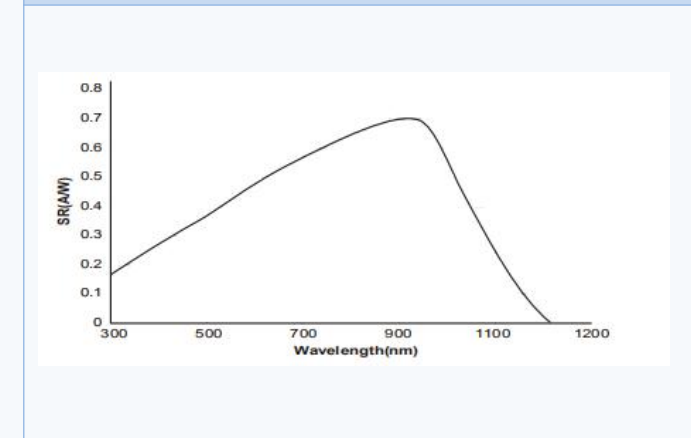
Intensity(W/m ²)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

Take the Voc (Isc) at 1000W/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-166/12M-228S	22.80%	6.25	0.5984	10.447	0.6957	10.956
AV-166/12M-227S	22.70%	6.22	0.5966	10.432	0.6938	10.940
AV-166/12M-226S	22.60%	6.20	0.5948	10.417	0.6919	10.926
AV-166/12M-225S	22.50%	6.17	0.5930	10.402	0.6898	10.913
AV-166/12M-224S	22.40%	6.14	0.5912	10.387	0.6880	10.895
AV-166/12M-223S	22.30%	6.11	0.5894	10.372	0.6862	10.877
AV-166/12M-222S	22.20%	6.09	0.5877	10.357	0.6844	10.860
AV-166/12M-221S	22.10%	6.06	0.5859	10.342	0.6829	10.849
AV-166/12M-220S	22.00%	6.03	0.5841	10.327	0.6807	10.838
AV-166/12M-219S	21.90%	6.00	0.5823	10.312	0.6789	10.829
AV-166/12M-218S	21.80%	5.98	0.5804	10.297	0.6771	10.820

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

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