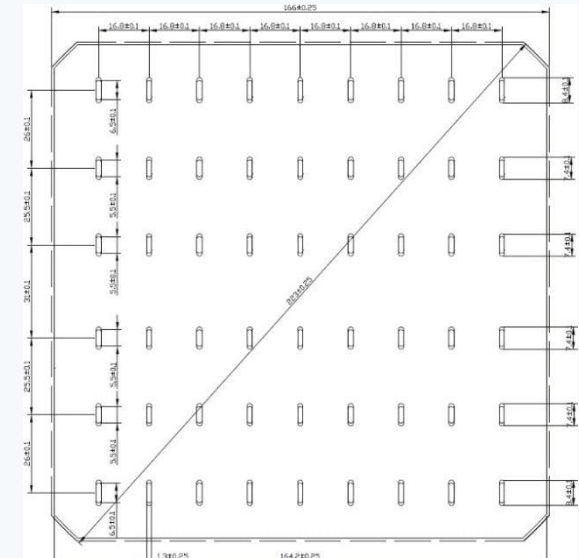
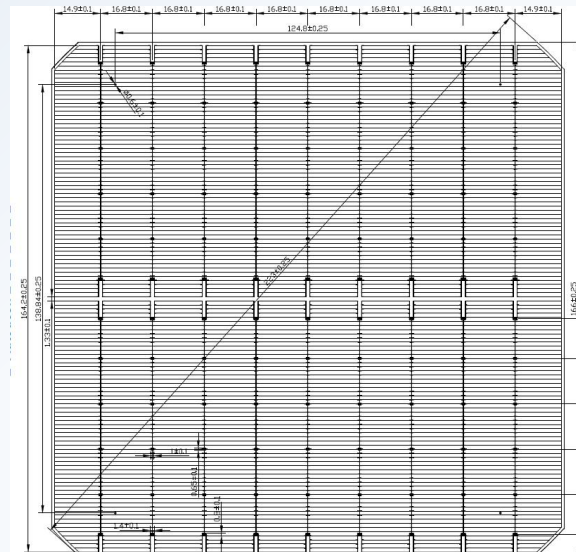
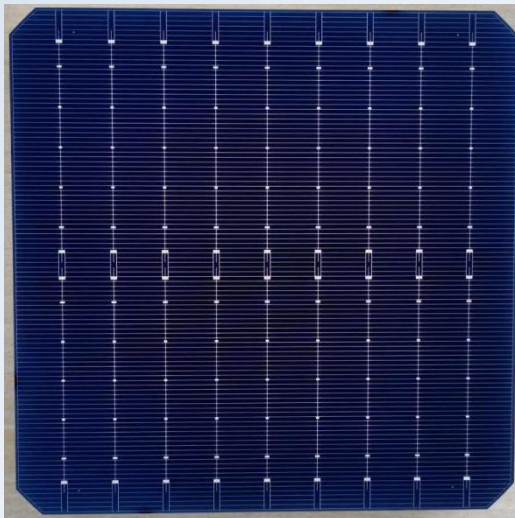




Allesun New Energy Vietnam Co., Ltd.

166 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

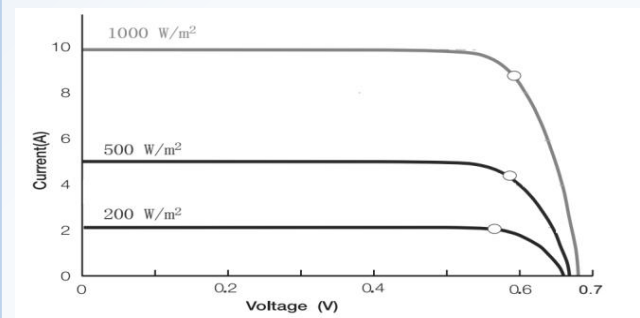
TkVoc (%/K)	-0.36
TkIsc(%/K)	+0.07
TkP _{MAX} (%/K)	-0.38

Light Intensity dependence

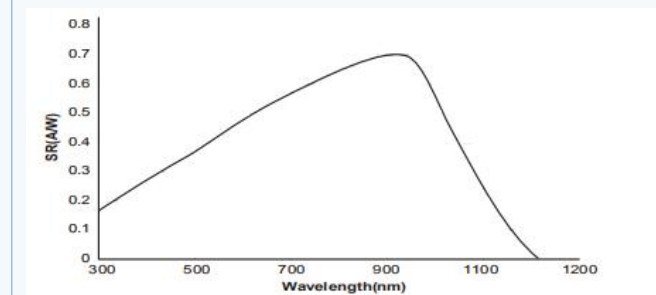
Intensity(W/m ²)	Voc	Isc
1000	1.00	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

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-228S	22.80%	6.25	0.5925	10.550	0.6803	11.124
AV-166/9M-227S	22.70%	6.22	0.5902	10.544	0.6784	11.119
AV-166/9M-226S	22.60%	6.20	0.5885	10.529	0.677	11.103
AV-166/9M-225S	22.50%	6.17	0.5866	10.515	0.6761	11.089
AV-166/9M-224S	22.40%	6.14	0.5848	10.502	0.6746	11.077
AV-166/9M-223S	22.30%	6.11	0.5829	10.488	0.6732	11.060
AV-166/9M-222S	22.20%	6.09	0.5805	10.485	0.6699	11.046
AV-166/9M-221S	22.10%	6.06	0.5786	10.472	0.6683	11.033
AV-166/9M-220S	22.00%	6.03	0.5764	10.464	0.6662	11.025
AV-166/9M-219S	21.90%	6.00	0.5745	10.451	0.6641	11.008
AV-166/9M-218S	21.80%	5.98	0.5726	10.437	0.6619	10.989

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

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