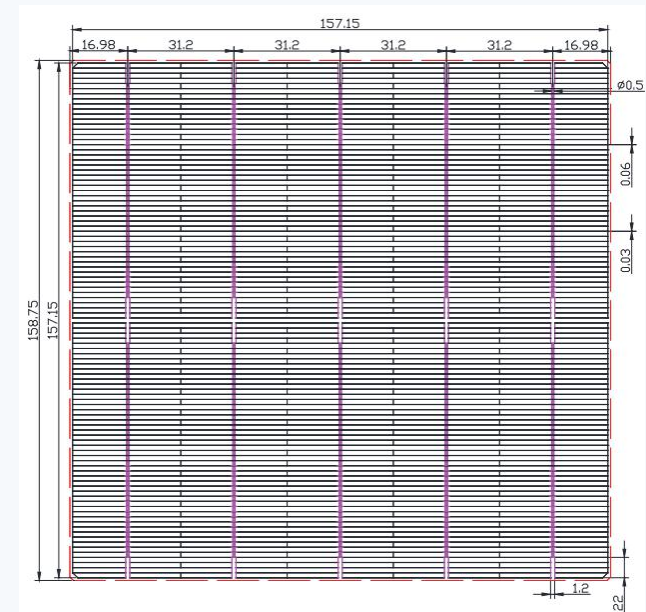
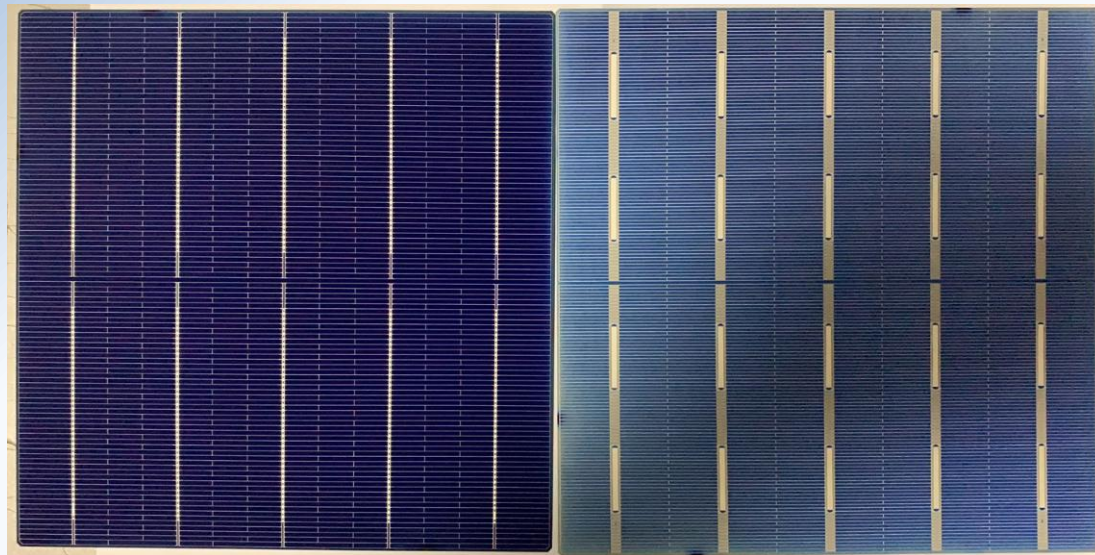




Allesun New Energy Vietnam Co., Ltd.

158.75 Bifacial Mono Solar Cell 5BB

Product Appearance



Technical Data and Design

Dimension	158.75*158.75±0.25
Thickness	170±30μm
Front	0.7mm±0.1mm wide bus bars
Back(+)	0.7mm±0.1mm wide bus bars

Temperature Coefficients

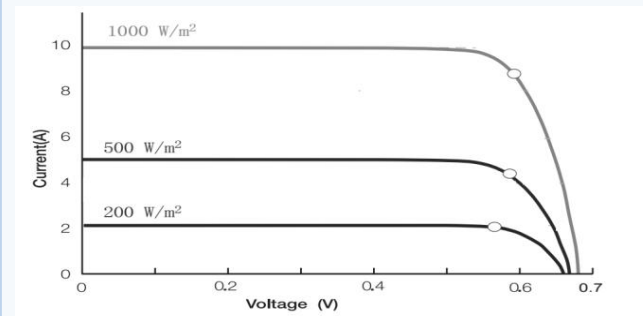
TkVoc (%/K)	-0.30
TkIsc(%/K)	+0.048
TkP _{MAX} (%/K)	-0.35

Light Intensity dependence

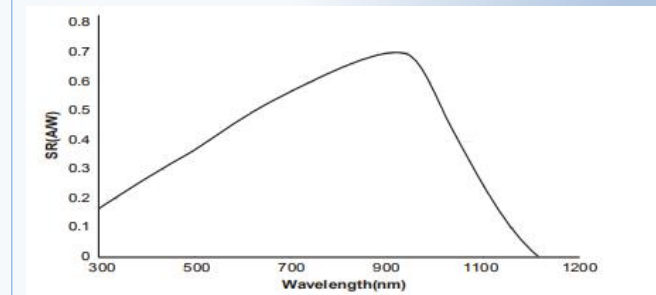
Intensity(W/m ²)	Voc	Isc
1000	1.00	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

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-158.75/5M-224	22.40%	5.64	0.581	9.631	0.691	10.165
AV-158.75/5M-223	22.30%	5.62	0.580	9.604	0.690	10.151
AV-158.75/5M-222	22.20%	5.59	0.579	9.594	0.689	10.131
AV-158.75/5M-221	22.10%	5.57	0.578	9.583	0.688	10.126
AV-158.75/5M-220	22.00%	5.54	0.577	9.572	0.687	10.104
AV-158.75/5M-219	21.90%	5.52	0.576	9.545	0.686	10.090
AV-158.75/5M-218	21.80%	5.49	0.575	9.517	0.685	10.065

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

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