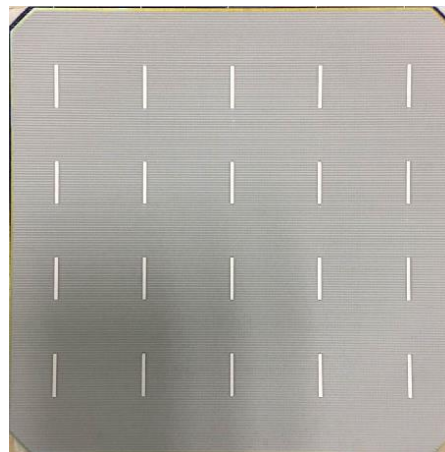
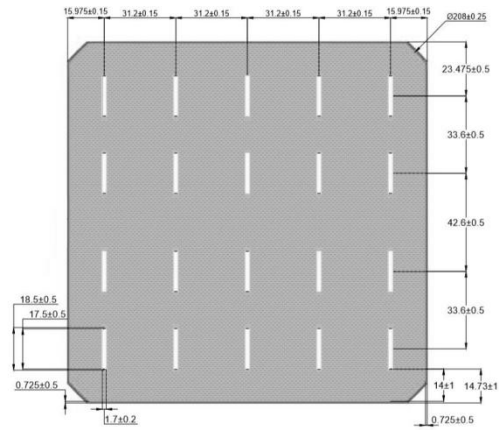
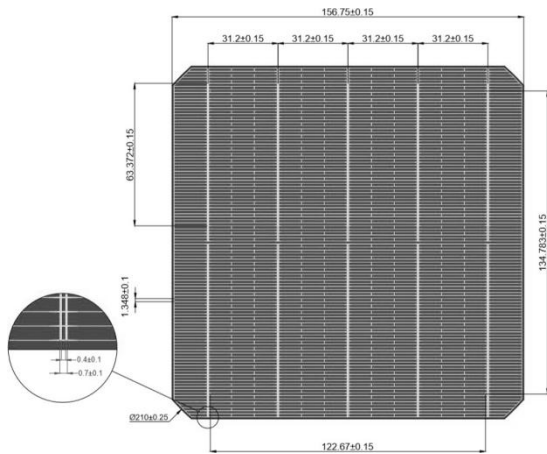




Allesun New Energy Vietnam Co.,Ltd.

156.75 PERC Mono Solar Cell

Product Appearance



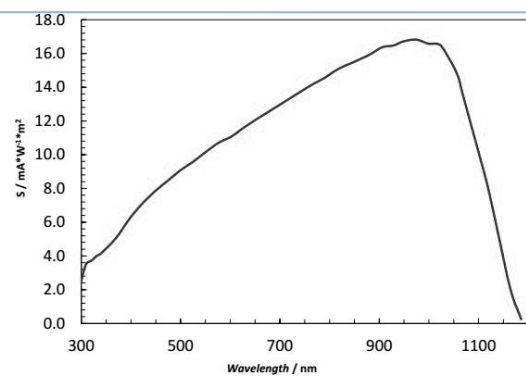
Technical Data and Design

Dimension	156.75mm*156.75mm±0.25mm
Thickness	200 ± 30 μ m
Front	5*0.7mm busbars (silver), Blue anti-reflecting coating (siliconnitride)
Back(+)	5*1.7mm busbars(silver), Back surface field (aluminum)

Temperature Coefficients

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

Spectral Response

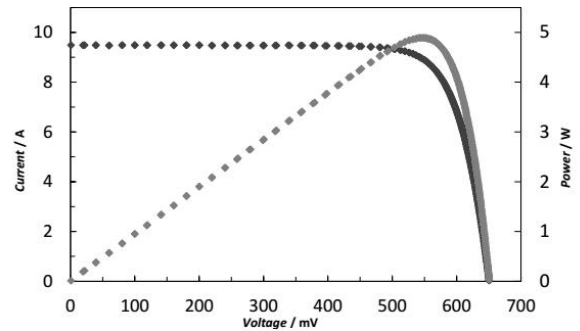


Light Intensity dependence

Intensity(W/m ²)	Uoc	Isc
1000	1.0	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



Solder Ability

Peel Strength Minimum $\geq 1.2\text{N/mm}$

Result may be different due to different ribbons, soldering methods and parameters.

Electrical Performance

Efficiency Code	Efficiency (%)	P _{mpp} (W)	V _{mpp} (V)	I _{mpp} (A)	U _{oc} (V)	I _{sc} (A)
AV-156.75M-222	22.20%	5.42	0.587	9.233	0.677	9.710
AV-156.75M-221	22.10%	5.40	0.586	9.215	0.677	9.675
AV-156.75M-220	22.00%	5.38	0.586	9.179	0.676	9.662
AV-156.75M-219	21.90%	5.35	0.585	9.150	0.674	9.639
AV-156.75M-218	21.80%	5.33	0.584	9.129	0.674	9.612
AV-156.75M-217	21.70%	5.30	0.583	9.094	0.673	9.584
AV-156.75M-216	21.60%	5.28	0.582	9.078	0.672	9.566
AV-156.75M-215	21.50%	5.25	0.580	9.060	0.670	9.559
AV-156.75M-214	21.40%	5.23	0.577	9.031	0.669	9.554
AV-156.75M-213	21.30%	5.20	0.576	9.081	0.666	9.601
AV-156.75M-212	21.20%	5.18	0.575	9.013	0.667	9.528
AV-156.75M-211	21.10%	5.16	0.574	8.998	0.667	9.520
AV-156.75M-210	21.00%	5.14	0.573	8.966	0.668	9.504

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

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