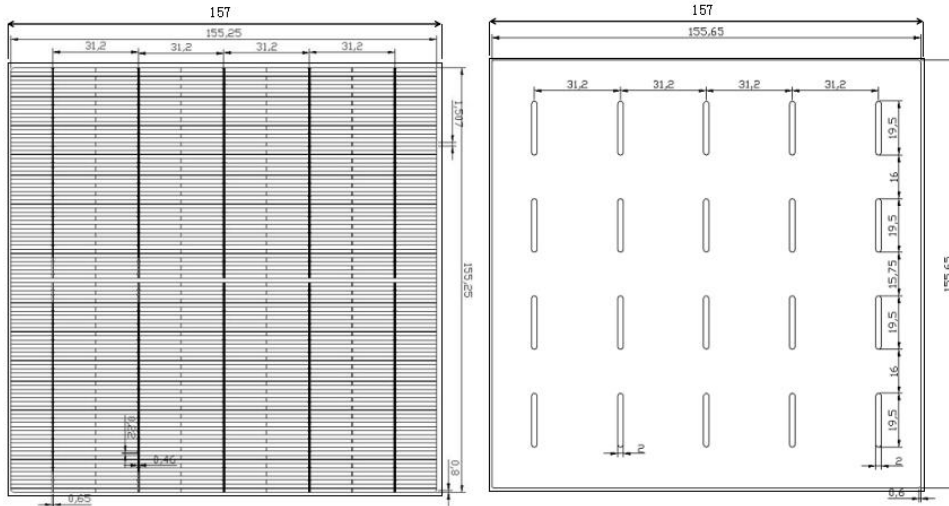




Allesun New Energy Vietnam Co.,Ltd.

157 Poly Solar Cell

Product Appearance



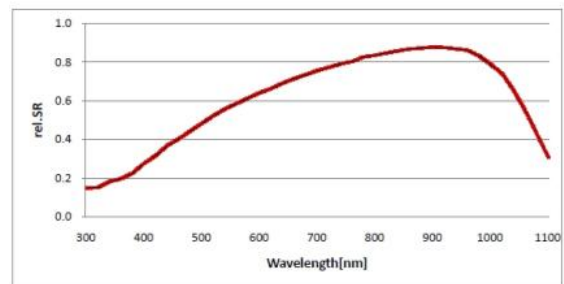
Technical Data and Design

Dimension	157mm*157mm±0.25mm
Thickness	200 ± 20 μ m/
Front	5*0.65mm busbars (silver), Blue anti-reflecting coating (siliconnitride)
Back(+)	2.0mm soldering pads, Back surface field (aluminum)

Temperature Coefficients

TkUoc (%/K)	-0.35
TkIsc(%/K)	+0.06
TkP _{MAX} (%/K)	-0.42

Spectral Response

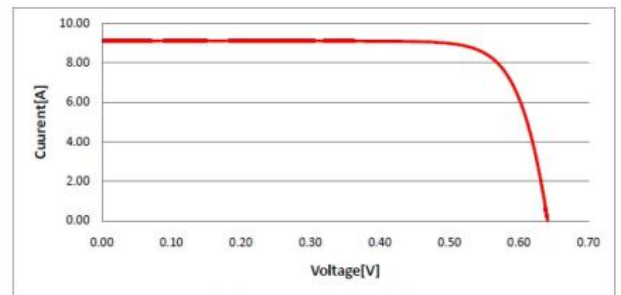


Light Intensity dependence

Intensity(W/m ²)	Voc	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 $\geq 1.1\text{N/mm}$

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)	V _{oc} (V)	I _{sc} (A)
AV-157P-191	19.10%	4.693	0.549	8.548	0.647	9.066
AV-157P-190	19.00%	4.668	0.548	8.518	0.645	9.024
AV-157P-189	18.90%	4.643	0.547	8.489	0.644	9.003
AV-157P-188	18.80%	4.619	0.546	8.460	0.643	8.991
AV-157P-187	18.70%	4.594	0.544	8.445	0.641	8.977
AV-157P-186	18.60%	4.570	0.543	8.416	0.640	8.958
AV-157P-185	18.50%	4.545	0.541	8.402	0.638	8.936
AV-157P-184	18.40%	4.520	0.539	8.387	0.637	8.920
AV-157P-183	18.30%	4.496	0.537	8.373	0.636	8.907
AV-157P-182	18.20%	4.471	0.535	8.358	0.634	8.892
AV-157P-181	18.10%	4.447	0.534	8.328	0.633	8.880
AV-157P-180	18.00%	4.422	0.533	8.296	0.629	8.800

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

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