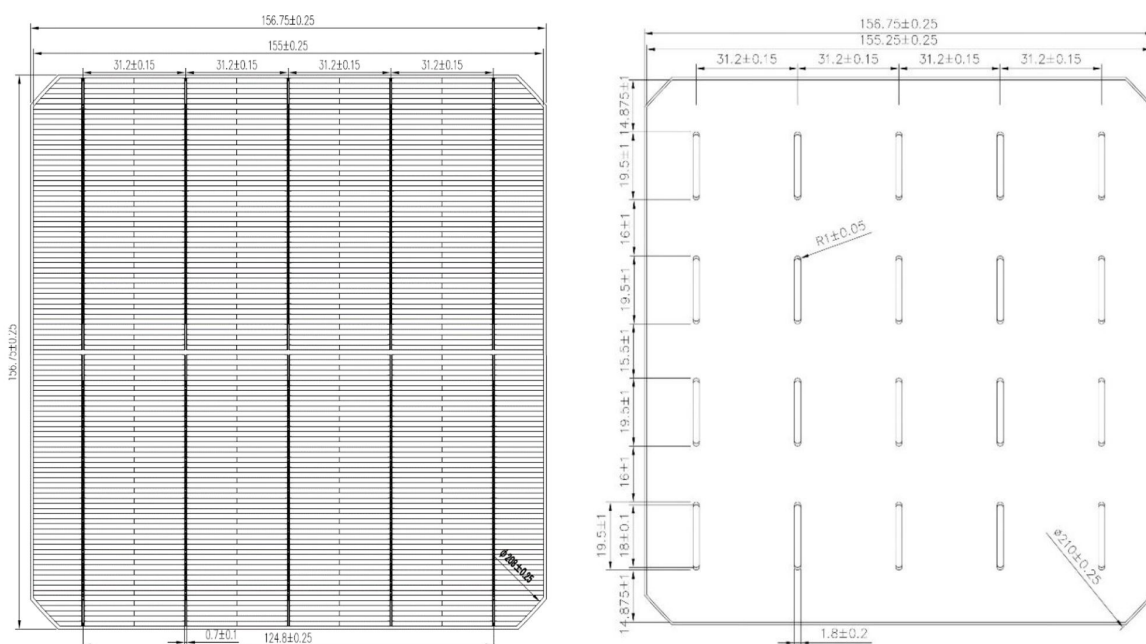


SpolarPV Technology Co., Ltd

SP Monocrystalline M1565PERC Solar Cell

Product Appearance



Mechanical Data and Design

Dimension	156.75mm*156.75mm±0.25mm	TkVoltage: -0.36 %/K
Thickness	190±30μm	TkCurrent: +0.07%/K
Front	5 bus bars (silver), width 0.7±0.1mm , 108 finger grids , Blue anti-reflecting coating (silicon nitride)	TkPower: -0.38%/K
Back (+)	wide soldering pads (silver)1.8±0.2 mm, Back surface field (aluminum)	Rsh≥30Ω, Irev2≤1.0A

Efficiency Code	Efficiency (%)	PMPP (W)	UMPP (V)	IMPP (A)	UOC (V)	ISC (A)	FF (%)
SP-156.75M-220	22.0	5.38	0.578	9.342	0.679	9.847	80.58
SP-156.75M-219	21.9	5.35	0.577	9.329	0.678	9.832	80.42
SP-156.75M-218	21.8	5.33	0.576	9.316	0.677	9.818	80.26
SP-156.75M-217	21.7	5.30	0.575	9.303	0.676	9.803	80.08
SP-156.75M-216	21.6	5.28	0.574	9.291	0.675	9.788	79.92
SP-156.75M-215	21.5	5.25	0.573	9.279	0.674	9.774	79.77
SP-156.75M-214	21.4	5.23	0.571	9.269	0.673	9.759	79.64
SP-156.75M-213	21.3	5.20	0.569	9.255	0.672	9.744	79.47
SP-156.75M-212	21.2	5.18	0.567	9.244	0.671	9.730	79.34
SP-156.75M-211	21.1	5.16	0.566	9.205	0.670	9.724	79.22
SP-156.75M-210	21.0	5.13	0.565	9.180	0.669	9.709	79.08
SP-156.75M-209	20.9	5.11	0.564	9.162	0.668	9.703	78.90
SP-156.75M-208	20.8	5.08	0.562	9.140	0.667	9.681	78.74
SP-156.75M-207	20.7	5.06	0.560	9.113	0.666	9.667	78.60
SP-156.75M-206	20.6	5.03	0.558	9.089	0.665	9.652	78.42

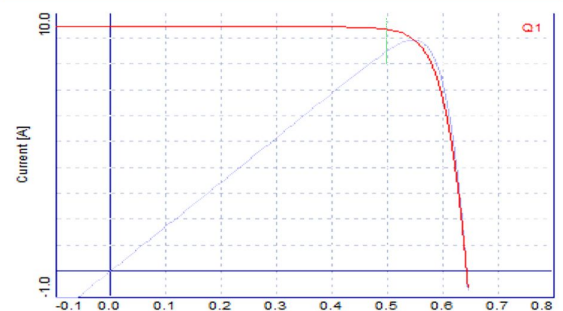
STC (Standard Testing Conditions):1000W/m2, AM1.5, 25℃
Specifications subjects to technical changes and tests SpolarPV reserves the right of final interpretation.

Light Intensity Dependence

Intensity(W/m2)	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

Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000W/m2.

IV Curve



Solder Ability

Peel strength Minimun $\geq 1.4\text{N/mm}$

Result maybe different due to different ribbons,solering methods and paremeters