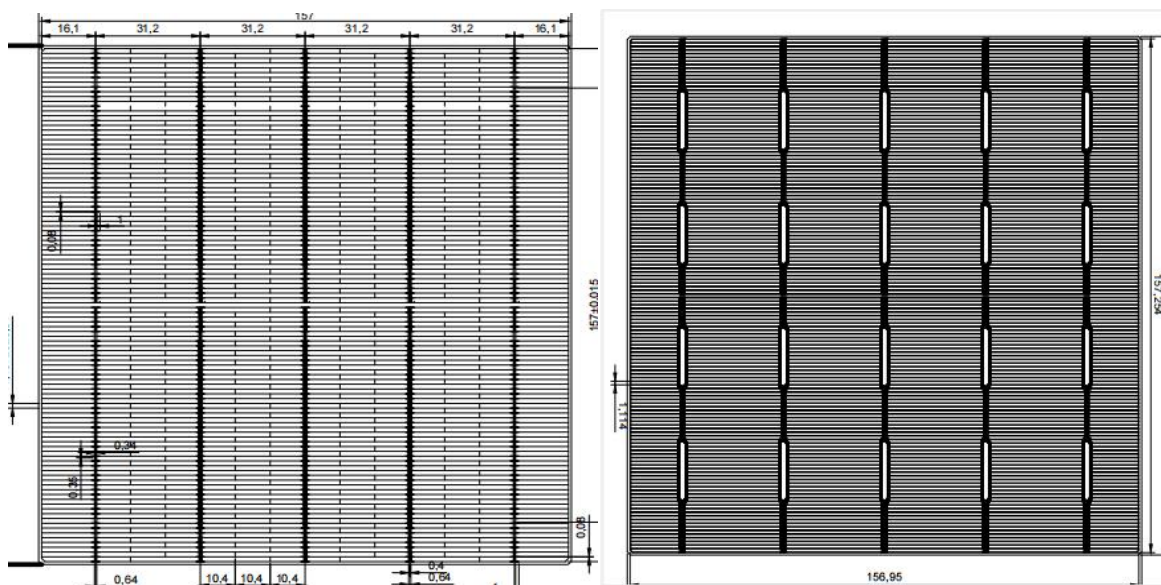


NANJING SAINTEK SOLAR CO., LTD

MONO PERC BIFACIAL 158.75MM CELL

PRODUCT APPEARANCE DESIGN



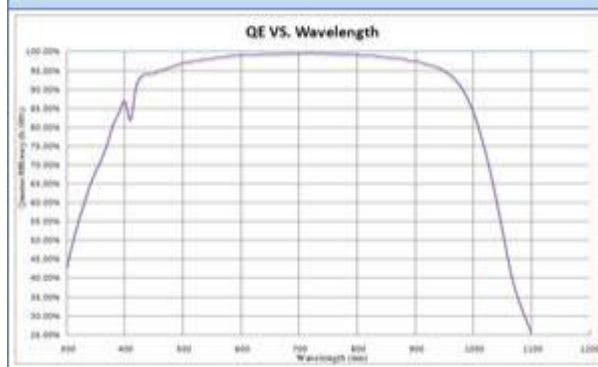
Technical data and design of screen

Size	158.75mm*158.75mm±0.05mm
Thickness	160±20um
Front	5*0.64mm(±0.05mm) busbar, 108 fingers, Blue anti-reflecting coating
back	Wide soldering pads 1.8±0.05mm , surface field aluminum

Temperature Coefficients

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

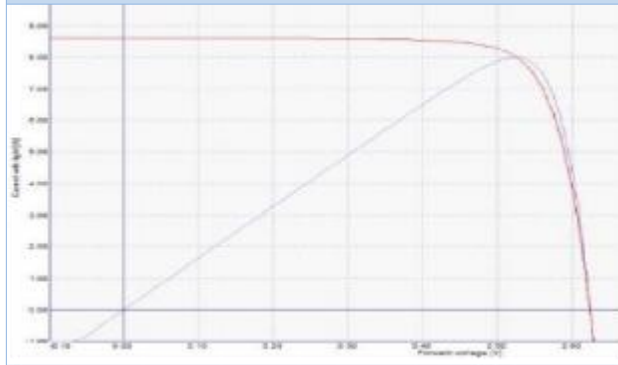
Spectral Response



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
Based on the VOC(ISC) of 1000w/M2 test.		

IV Curve



Solder Ability

Peel strength minimum $\geq 1.3\text{N/mm}$

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

Efficiency code	Eff	Pmpp(w)	Umpv (v)	Impp (A)	Uoc (V)	Isc (A)
22.8-22.9	22.8%	5.746	0.601	9.561	0.691	10.041
22.7-22.8	22.7%	5.721	0.599	9.551	0.690	10.032
22.6-22.7	22.6%	5.695	0.598	9.523	0.689	10.025
22.5-22.6	22.5%	5.670	0.597	9.497	0.688	10.019
22.4-22.5	22.4%	5.645	0.595	9.487	0.687	10.011
22.3-22.4	22.3%	5.620	0.593	9.477	0.686	10.001
22.2-22.3	22.2%	5.595	0.592	9.451	0.685	9.989
22.1-22.2	22.1%	5.569	0.590	9.439	0.684	9.979
22.0-22.1	22.0%	5.544	0.588	9.429	0.683	9.969
21.9-22.0	21.9%	5.519	0.587	9.402	0.682	9.955
21.8-21.9	21.8%	5.494	0.586	9.375	0.681	9.945
21.7-21.8	21.7%	5.469	0.585	9.349	0.681	9.934

21.6-21.8	21.6%	5.443	0.584	9.320	0.680	9.922
21.4-21.6	21.4%	5.393	0.583	9.250	0.680	9.911
21.2-21.4	21.2%	5.343	0.581	9.196	0.679	9.899
21.0-21.2	21.0%	5.292	0.579	9.140	0.678	9.889