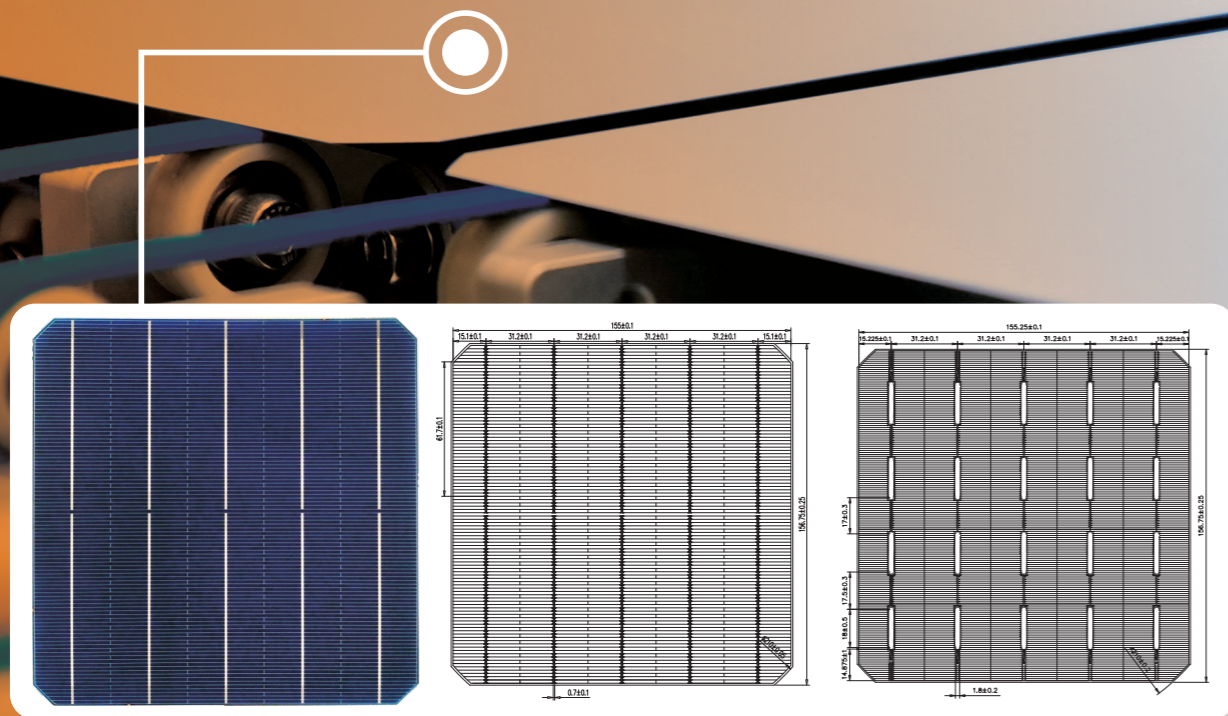
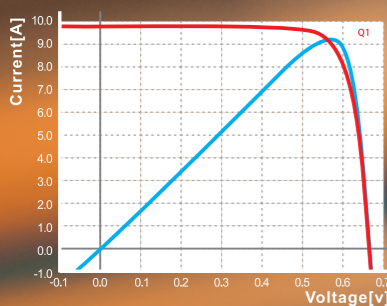


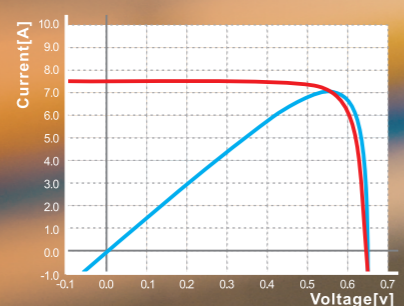
BIFACIAL PERC MONOCRYSTALLINE SOLAR CELL TW066



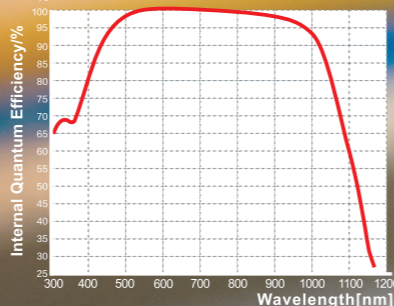
FRONT IV CURVE



BACK IV CURVE



SPECTRAL RESPONSE(QE)



TECHNICAL DATA AND DESIGN

Dimension	156.75mm*156.75mm±0.25mm
Thickness	190±30 μm
Front	5*0.7mm busbars (silver), 104 finger grids, Blue anti-reflecting coating (siliconnitride)
Back(+)	1.8mm Back electrode (silver), 5 busbars (aluminum), 160 finger grids (aluminum), Blue anti-reflecting coating (siliconnitride)

LIGHT INTENSITY DEPENDENCE

Intensity (W/m ²)	Uoc	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.

TEMPERATURE COEFFICIENTS

TkUoc (%/K)	-0.36
TkIsc (%/K)	+0.06
TkPMAx (%/K)	-0.36

FRONT ELECTRICAL PERFORMANCE

No.	Efficiency (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
01	21.40%	5.23	0.569	9.190	0.666	9.760
02	21.30%	5.20	0.568	9.163	0.665	9.742
03	21.20%	5.18	0.566	9.157	0.664	9.729
04	21.10%	5.16	0.564	9.152	0.663	9.720
05	21.00%	5.13	0.562	9.131	0.662	9.710
06	20.90%	5.11	0.560	9.126	0.661	9.696
07	20.80%	5.08	0.558	9.103	0.659	9.681
08	20.70%	5.06	0.556	9.096	0.658	9.664
09	20.60%	5.03	0.554	9.076	0.656	9.652
10	20.50%	5.01	0.553	9.064	0.653	9.646
11	20.40%	4.98	0.551	9.046	0.651	9.639
12	20.30%	4.96	0.549	9.036	0.647	9.622
13	20.20%	4.94	0.547	9.030	0.645	9.589

BACK ELECTRICAL PERFORMANCE

No.	Efficiency (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
01	>16.00%	3.93	0.565	6.959	0.665	7.353
02	15.50%-16.00%	3.86	0.564	6.833	0.664	7.219
03	15.00%-15.50%	3.76	0.563	6.678	0.663	7.052
04	<15.00%	3.61	0.560	6.420	0.660	6.757

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

Technical parameters above-mentioned subjects to technical changes and tests. Tongwei Solar reserves the right of final interpretation.