

PERC

MONOCRYSTALLINE SOLAR CELL

TW064

TECHNICAL DATA AND DESIGN

Dimension	156.75mm*156.75mm±0.25mm
Thickness	200±30 μm
Front	5*0.7mm busbars (silver), 104 finger grids, Blue anti-reflecting coating (siliconnitride)
Back(+)	5*1.8mm busbars (silver), Back surface field (aluminum)

TEMPERATURE COEFFICIENTS

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

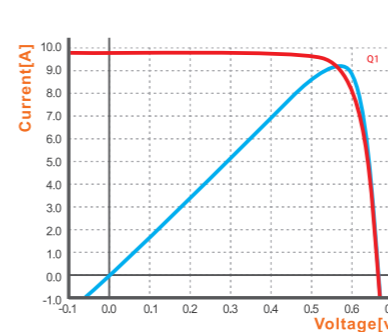
SOLDER ABILITY

Peel Strength Minimum	>1.4N/mm
Result may be different due to different ribbons, soldering methods and parameters.	

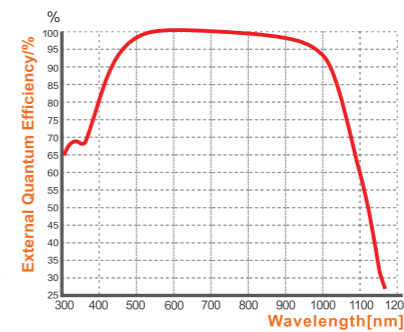
ELECTRICAL PERFORMANCE

No.	Efficiency (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
01	21.60%	5.28	0.573	9.212	0.668	9.802
02	21.50%	5.25	0.571	9.201	0.667	9.780
03	21.40%	5.23	0.569	9.190	0.666	9.760
04	21.30%	5.20	0.568	9.163	0.665	9.742
05	21.20%	5.18	0.566	9.157	0.664	9.729
06	21.10%	5.16	0.564	9.152	0.663	9.720
07	21.00%	5.13	0.562	9.131	0.662	9.710
08	20.90%	5.11	0.560	9.126	0.661	9.696
09	20.80%	5.08	0.558	9.103	0.659	9.681
10	20.70%	5.06	0.556	9.096	0.658	9.664
11	20.60%	5.03	0.554	9.076	0.656	9.652
12	20.50%	5.01	0.553	9.064	0.653	9.646

IV CURVE



SPECTRAL RESPONSE(QE)



LIGHT INTENSITY DEPENDENCE

Intensity (W/m²)	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.

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.