



## ABOUT KORLONE NEW ENERGY

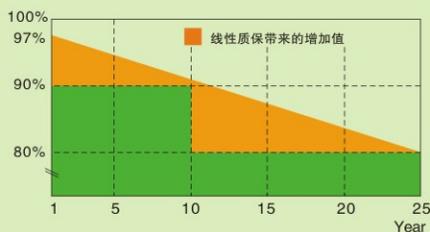
Taizhou Korlone specializes in vertically integrated global solar PV production and services, is engaged in one of the larger Chinese crystalline silicon solar manufacturers. Design specializes in silicon rods, ingots, wafers, solar cells, components of the high-end research and development and production of solar application product development, sales and investment in solar power system design, installation and operation.

**Solar products scopes:** Solar panels, Solar cells, Distributed solar PV power generation system, Solar electric car, Solar home system, Small solar system, Solar lighting series. such as solar street light, solar integrated lamp, Solar Water pump irrigation system, Solar greenhouse, BIPV modules.

**Market vision:** To provide affordable green energy for all.

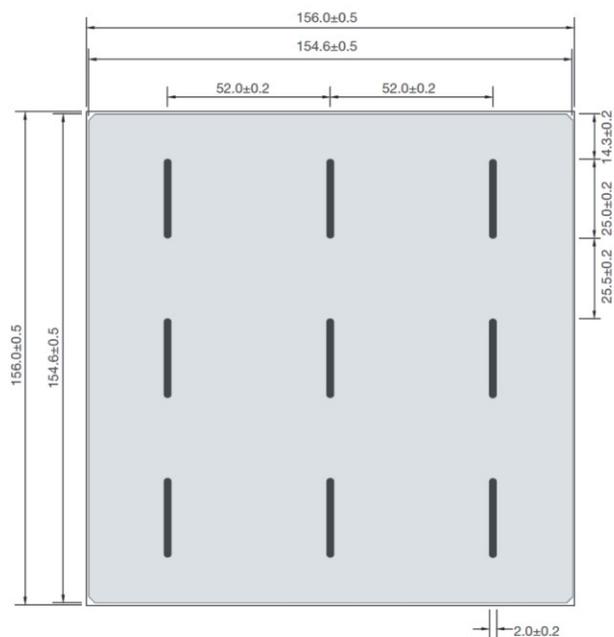
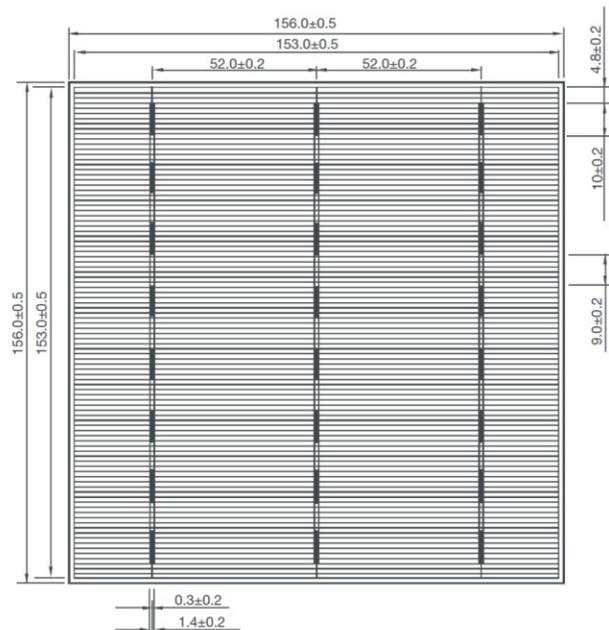
### 一流的质保

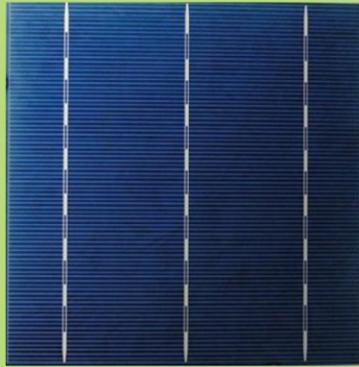
- ◆10年产品材料与工艺质保
- ◆25年线性功率输出质保



# JNCP6-3BB

## POLYCRYSTALLINE SILICON SOLAR CELLS





# JNCP6-3BB

POLYCRYSTALLINE SILICON SOLAR CELLS

## MECHANICAL DATA AND DESIGN

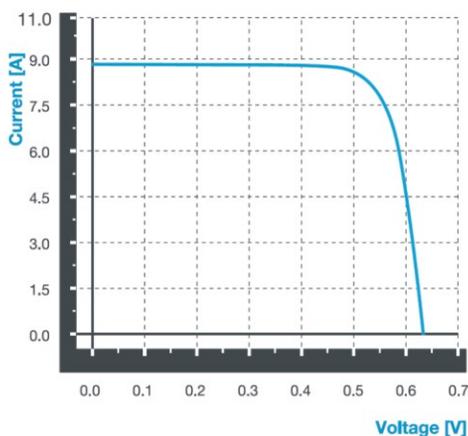
Format	156mm×156mm±0.5mm
Thickness	210μm±30μm
Front(-)	1.4mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2.0mm wide soldering pads(silver) back surface field(aluminum)

## TEMPERATURE COEFFICIENTS

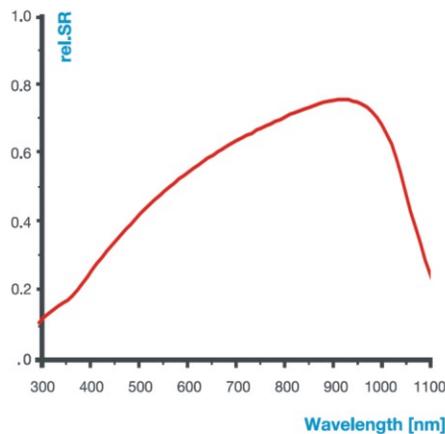
TkVoltage	-0.35%/K
TkCurrent	+0.06%/K
TkPower	-0.42%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Imp(A)	Uoc(V)	Isc(A)	FF(%)
12	18.50-19.00	4.50	0.541	8.321	0.643	8.857	79.05
11	18.40-18.50	4.48	0.540	8.293	0.642	8.831	78.97
10	18.30-18.40	4.46	0.539	8.274	0.641	8.811	78.92
09	18.20-18.30	4.43	0.537	8.242	0.640	8.778	78.87
08	18.10-18.20	4.41	0.536	8.221	0.638	8.757	78.82
07	18.00-18.10	4.38	0.535	8.193	0.637	8.730	78.75
06	17.90-18.00	4.36	0.533	8.171	0.636	8.710	78.67
05	17.80-17.90	4.33	0.532	8.149	0.635	8.691	78.57
04	17.70-17.80	4.31	0.530	8.128	0.633	8.672	78.47
03	17.60-17.70	4.29	0.529	8.106	0.632	8.650	78.40
02	17.50-17.60	4.26	0.527	8.079	0.631	8.626	78.30
01	17.40-17.50	4.24	0.526	8.053	0.629	8.601	78.25

## IV CURVE



## SPECTRAL RESPONSE



## INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.90
800	0.80	0.99	0.79
500	0.50	0.97	0.49
300	0.30	0.94	0.29
200	0.20	0.91	0.19

\*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m<sup>2</sup>