

ABOUT KORLONE NEW ENERGY

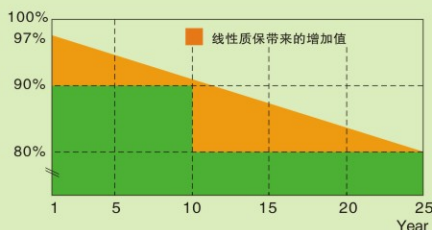
Taizhou Korlone specializes in vertically integrated global solar PV production and services, is engaged in one of the larger Chinese crystalline silicon solar manufacturers. Design specializes in silicon rods, ingots, wafers, solar cells, components of the high-end research and development and production 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.

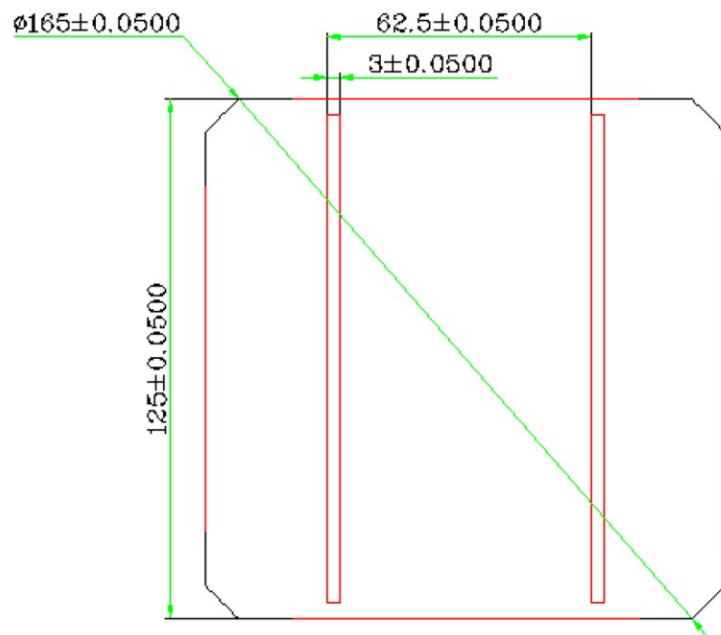
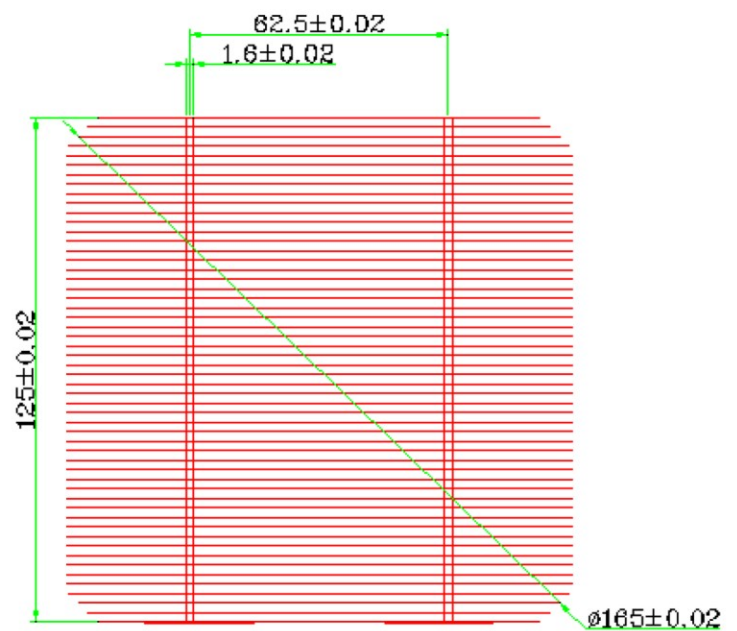
一流的质保

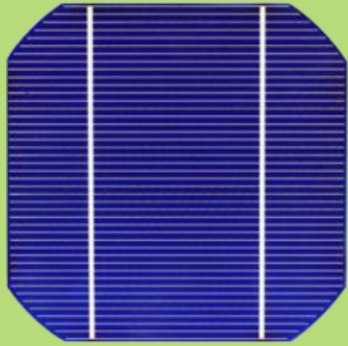
- ◆10年产品材料与工艺质保
- ◆25年线性功率输出质保



JNCM5-2BB

MONOCRYSTALLINE SILICON SOLAR CELLS





JNCM5-2BB

MONOCRYSTALLINE SILICON SOLAR CELLS

MECHANICAL DATA AND DESIGN

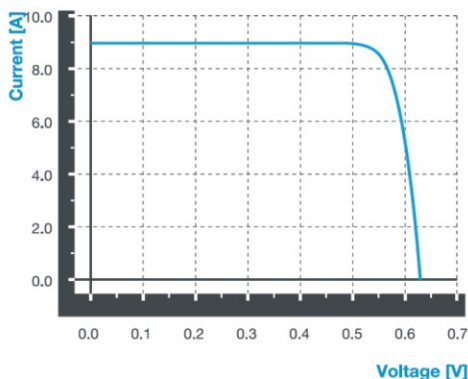
Format	125mm × 125mm ± 0.5mm
Thickness	200um ± 20um
Front(-)	1.6 mm busbar (silver)
Back(+)	3.0mm continuous soldering pads (silver/aluminium)

TEMPERATURE COEFFICIENTS

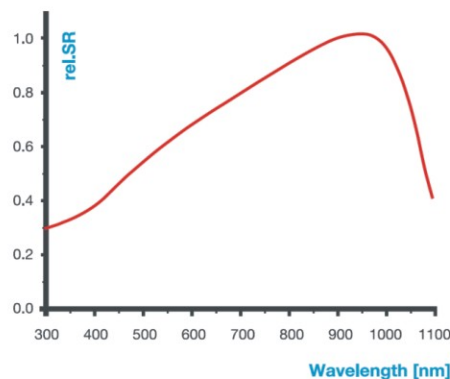
TkVoltage	-0.36%/K
TkCurrent	-0.06%/K
TkPower	-0.36%/K

No.	Efficiency(%)	Pmpp(W)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)
12	18.20%	2.81W	5.25A	0.635V	5.59A
11	18.00%	2.78W	5.22A	0.633V	5.57A
10	17.80%	2.75W	5.19A	0.632V	5.55A
09	17.60%	2.72W	5.16A	0.631V	5.54A
08	17.40%	2.69W	5.13A	0.630V	5.52A
07	17.20%	2.66W	5.10A	0.629V	5.50A
06	17.00%	2.63W	5.07A	0.627V	5.47A
05	16.80%	2.60W	5.03A	0.626V	5.46A
04	16.60%	2.57W	5.00A	0.624V	5.46A
03	16.40%	2.54W	4.97A	0.622V	5.42A
02	16.20%	2.51W	4.94A	0.621V	5.40A
01	16.00%	2.48W	4.90A	0.620V	5.38A

IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	I _{sc} *	V _{oc} *	P _{mp}
1000	1.00	1.00	1.00
900	0.90	0.99	0.89
800	0.80	0.99	0.79
500	0.50	0.96	0.48
300	0.30	0.97	0.29
200	0.20	0.93	0.19

*Ratio of Voc(I_{sc}) at reduced intensity to Voc(I_{sc}) at 1000 W/m²