

## POLY SOLAR CELL

### Technical parameters

Measurement	157mm x 157mm±0.25mm
Thickness	170μm±30μm
Front(-)	0.7mm wide bus bars,Siliconoxide+ blue silicon nitride compound anti-reflection coating(PIDFree).
Back(+)	Back surface field (aluminum),four 1.6mm Silicon nitride anti-reflection coating.

### Intensity Dependence

Intensity(W/m <sup>2</sup> )	Voc(mV)	Isc(mA)
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

\*Voc(Isc)is1000W/m<sup>2</sup>,Voc(Isc)Outputratio.

### Electrical Parameters

Eff(%)	Pm(Wp)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)	FF(%)
19.20	4.72	0.548	8.6581	0.692	9.123	81.16
19.10	4.69	0.545	8.6092	0.691	9.110	81.12
19.00	4.67	0.544	8.5813	0.690	9.079	81.09
18.90	4.64	0.543	8.4381	0.689	9.052	81.06
18.80	4.62	0.542	8.4431	0.688	9.023	81.02
18.70	4.59	0.540	8.4172	0.687	8.998	81.00
18.60	4.57	0.539	8.3858	0.686	8.968	80.85
18.50	4.55	0.538	8.3707	0.684	8.942	80.83
18.40	4.52	0.536	8.3437	0.683	8.919	80.81

\*Under Standard Testing Conditions(STC) : Irradiance1000W/m<sup>2</sup>, AM1.5, Temperature25°C.

### Temperature coefficient

TkVoltage: -0.327 %/K

TkCurrent: +0.055 %/K

TkPower: -0.42 %/K

### Iv curve

