

### MONO-CRYSTALLINE SILICON SOLAR CELL

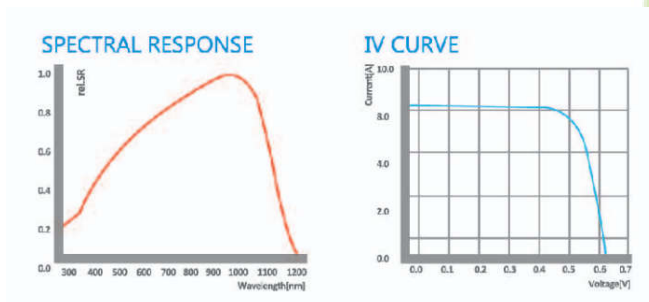
MECHANICAL DATA AND DESIGN	
Dimension	125mm*125mm, tolerance ±0.5mm
Thickness	200 μ m ± 20 μ m
Front(-)	Blue silicon nitride anti-reflection coating
Back(+)	Aluminum back surface field

TEMPERATURE COEFFICIENTS	
TkCurrent	+0.10%/°C
TkVoltage	-0.38%/°C
TkPower	-0.47%/°C

Eff	Pmax	Vmp	Imp	Voc	Isc
20.00%	3.078W	0.575V	5.353A	0.665V	5.997A
19.80%	3.047W	0.570V	5.346A	0.660V	5.948A
19.60%	3.017W	0.560V	5.388A	0.655V	5.901A
19.40%	2.986W	0.550V	5.429A	0.650V	5.851A
19.20%	2.955W	0.545V	5.422A	0.645V	5.803A
19.00%	2.924W	0.540V	5.415A	0.640V	5.753A
18.80%	2.893W	0.530V	5.408A	0.635V	5.802A
18.60%	2.863W	0.530V	5.401A	0.635V	5.744A

### INTENSITY DEPENDENCE

Intensity[W/M <sup>2</sup> ]	Isc	Voc
1000	1.0	1.000
900	0.9	0.995
500	0.5	0.969
300	0.3	0.946
200	0.2	0.929



\*Ratio of VOC (Isc) at reduced intensity to Voc (Isc) at 1000 w/m.