

(Units: mm)

### MECHANICAL DATA AND DESIGN

Format	158.75mm×158.75mm±0.25mm
Thickness	180(-10/+20)μm
Front(-)	0.7±0.05mm
Back(+)	1.8±0.05mm

### TEMPERATURE COEFFICIENTS

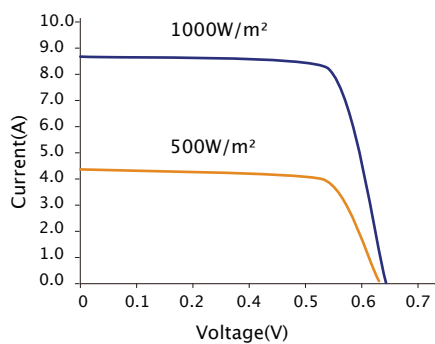
Standard Test Conditions: AM 1.5, 1000W/m<sup>2</sup>, 25°C

Current temperature coefficient	α(Isc)	+0.05%/°C
Voltage temperature coefficient	β(Voc)	-0.33%/°C
Power temperature coefficient	γ(Wp)	-0.42%/°C

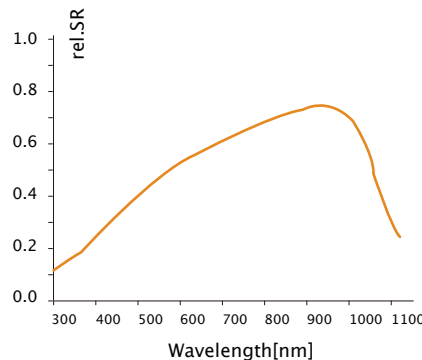
### ELECTRICAL CHARACTERISTICS(Standard Test Conditions: AM 1.5, 1000W/m<sup>2</sup>, 25°C)

Cell Efficiency	18.20%	18.40%	18.60%	18.80%	19.00%	19.20%	19.40%	19.60%
Maximum Power at STC(Pmax)	4.59	4.64	4.69	4.74	4.79	4.84	4.89	4.94
Open Circuit Voltage(Voc)	0.634	0.636	0.638	0.639	0.641	0.642	0.643	0.645
Maximum Power Voltage(Vmpp)	0.522	0.527	0.529	0.532	0.534	0.539	0.544	0.549
Short Circuit Current(Isc)	9.125	9.157	9.183	9.215	9.243	9.269	9.324	9.349
Maximum Power Current(Imp)	8.793	8.809	8.868	8.909	8.968	8.975	8.982	8.993

### IV CURVE



### SPECTRAL RESPONSE



### INTENSITY DEPENDENCE

Intensity[W/m <sup>2</sup> ]	Isc*	Voc*
1000	1.0	1.000
900	1.0	0.988
500	0.5	0.964
300	0.3	0.940
200	0.2	0.923