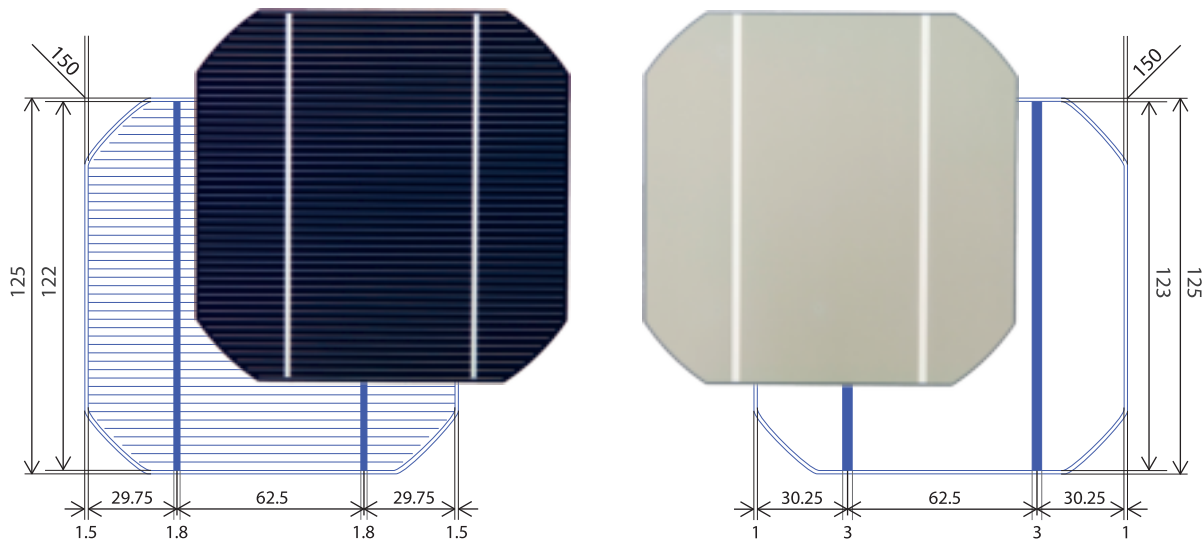


Sunrise SR5SK1R 125x125 Monocrystalline Solar Cell

1 FRONT AND BACK OF THE CELL AND REFERENCE DIMENSIONS



2 ELECTRICAL DATA

Efficiency (%)	Pmpp (W)	Voc (V)	Isc (A)	Vmpp (V)	Impp (A)
18.40-18.50	2.74	0.633	5.47	0.529	5.182
18.30-18.40	2.73	0.632	5.46	0.528	5.164
18.20-18.30	2.71	0.632	5.45	0.528	5.136
18.10-18.20	2.70	0.631	5.43	0.527	5.117
18.00-18.10	2.68	0.631	5.42	0.527	5.089
17.90-18.00	2.67	0.63	5.41	0.526	5.070
17.80-17.90	2.65	0.63	5.39	0.526	5.042
17.70-17.80	2.64	0.629	5.37	0.525	5.023
17.60-17.70	2.62	0.629	5.35	0.525	4.995
17.50-17.60	2.61	0.628	5.34	0.524	4.976
17.40-17.50	2.59	0.628	5.32	0.524	4.948
17.30-17.40	2.58	0.626	5.30	0.523	4.929
17.20-17.30	2.56	0.624	5.28	0.522	4.910

Measured at Standard Testing Conditions (STC): 1000 W/m², 25°C, AM1.5G Ed.2 (2008)
All figures are averages with ±1.5% tolerance.

3 Mechanical Design

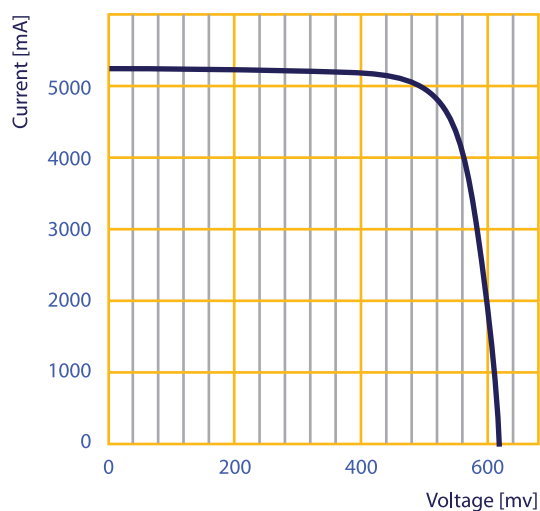
Square length	125 ± 0.5 mm
Diameter	150 ± 0.5 mm (round chamfers)
Thickness	200 ± 30µm
Front surface	1.8 mm silver bus bar, blue anti-reflecting silicon nitride coating
Back surface	3 mm silver wide soldering pads, aluminum surface field
Base material	p-type mono-crystalline silicon wafer
Junction	Phosphorous diffused N on P

4 TEMPERATURE COEFFICIENTS

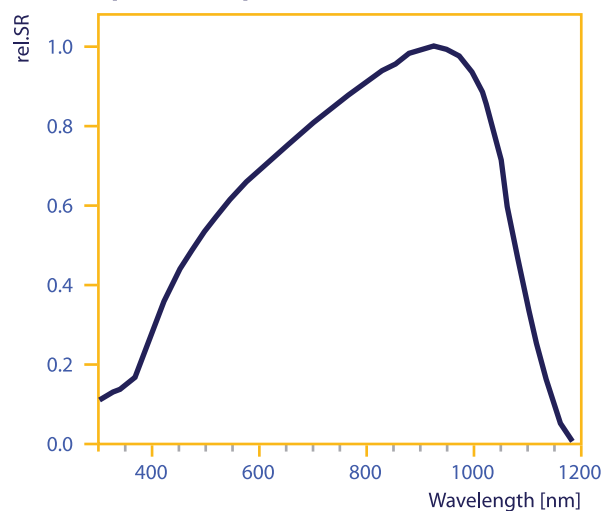
Voltage	-0.350%/K
Current	0.030%/K
Power	-0.466%/K

5 ELECTRICAL CURVES

IV Curve



Spectral Response



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