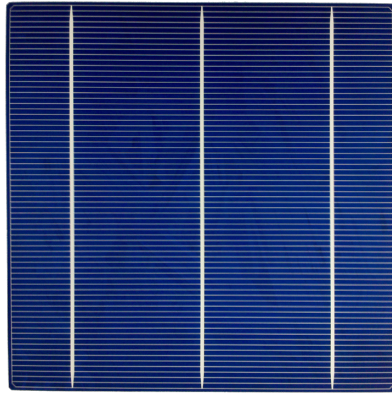


Sunrise 156x156 Multicrystalline Solar Cell 3 Bus Bars



1 ELECTRICAL DATA

Efficiency (%)	Pmpp (W)	Voc (V)	Isc (A)	Vmpp (V)	Imp (A)
17.60 - 17.70	4.30	0.6285	8.597	0.529	8.120
17.50 - 17.60	4.27	0.6278	8.578	0.528	8.089
17.40 - 17.50	4.25	0.6271	8.558	0.528	8.043
17.30 - 17.40	4.22	0.6262	8.522	0.527	8.010
17.20 - 17.30	4.20	0.6244	8.476	0.527	7.972
17.10 - 17.20	4.17	0.6235	8.456	0.525	7.951
17.00 - 17.10	4.15	0.6222	8.441	0.523	7.933
16.90 - 17.00	4.12	0.6207	8.423	0.521	7.915
16.80 - 16.90	4.10	0.6197	8.395	0.520	7.884
16.70 - 16.80	4.08	0.6182	8.369	0.519	7.859
16.60 - 16.70	4.05	0.6164	8.352	0.517	7.840
16.50 - 16.60	4.03	0.6147	8.335	0.515	7.822
16.40 - 16.50	4.00	0.6131	8.315	0.513	7.801

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

2 Mechanical Design

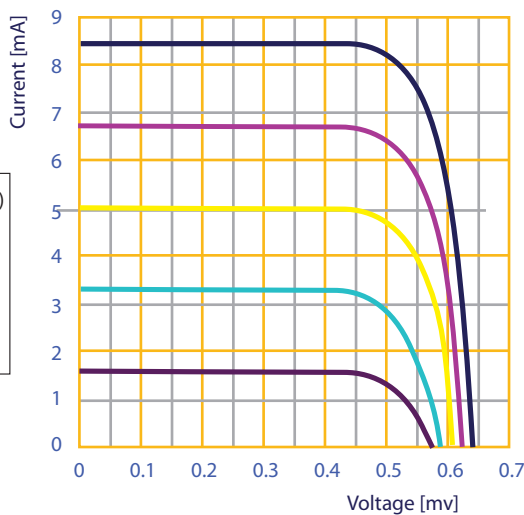
Square length	156 ± 0.5 mm
Thickness	180 ± 30µm; 200 ± 30µm
Base material	p-type multi-crystalline silicon wafer
Junction	Phosphorous diffused N on P

3 TEMPERATURE COEFFICIENTS

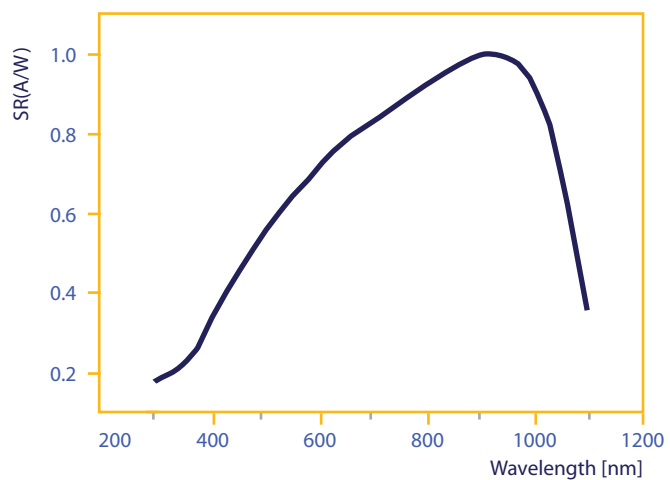
Voltage	-0.3199 %/K
Current	0.0520 %/K
Power	-0.3890 %/K

4 ELECTRICAL CURVES

IV Curve



Spectral Response



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