

Sunrise 156x156 Monocrystalline Solar Cell 3 Bus Bars



1 ELECTRICAL DATA

Efficiency (%)	P _{mpp} (W)	V _{oc} (V)	I _{sc} (A)	V _{mpp} (V)	I _{mpp} (A)
19.40-19.50	4.65	0.6424	9.07	0.5447	8.532
19.30-19.40	4.62	0.6421	9.04	0.5446	8.490
19.20-19.30	4.60	0.6418	9.01	0.5445	8.448
19.10-19.20	4.58	0.6415	8.98	0.5440	8.412
19.00-19.10	4.55	0.6412	8.94	0.5430	8.383
18.90-19.00	4.53	0.6405	8.90	0.5420	8.354
18.80-18.90	4.50	0.6400	8.87	0.5410	8.326
18.70-18.80	4.48	0.6390	8.84	0.5400	8.297
18.60-18.70	4.46	0.6380	8.82	0.5390	8.268
18.50-18.60	4.43	0.6370	8.80	0.5380	8.239
18.40-18.50	4.41	0.6360	8.78	0.5370	8.210
18.30-18.40	4.38	0.6350	8.75	0.5330	8.180
18.20-18.30	4.36	0.6340	8.73	0.5350	8.151

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

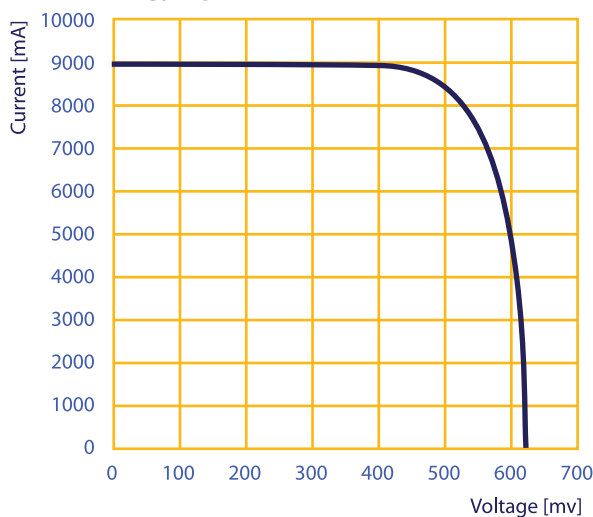
Square length	156 ± 0.5 mm
Diameter	200 ± 0.5 mm (round chamfers)
Thickness	180 ± 30µm ; 200 ± 30µm
Base material	p-type mono-crystalline silicon wafer
Junction	Phosphorous diffused N on P

3 TEMPERATURE COEFFICIENTS

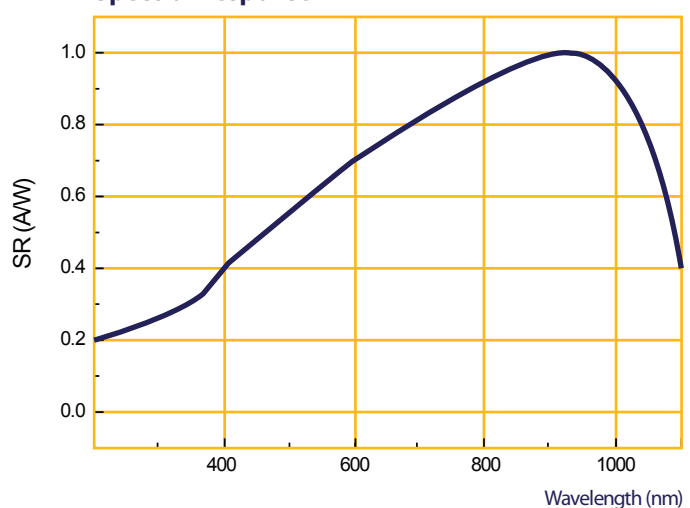
Voltage	-0.3251 %/K
Current	0.0484 %/K
Power	-0.4080 %/K

4 ELECTRICAL CURVES

IV Curve



Spectral Response



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