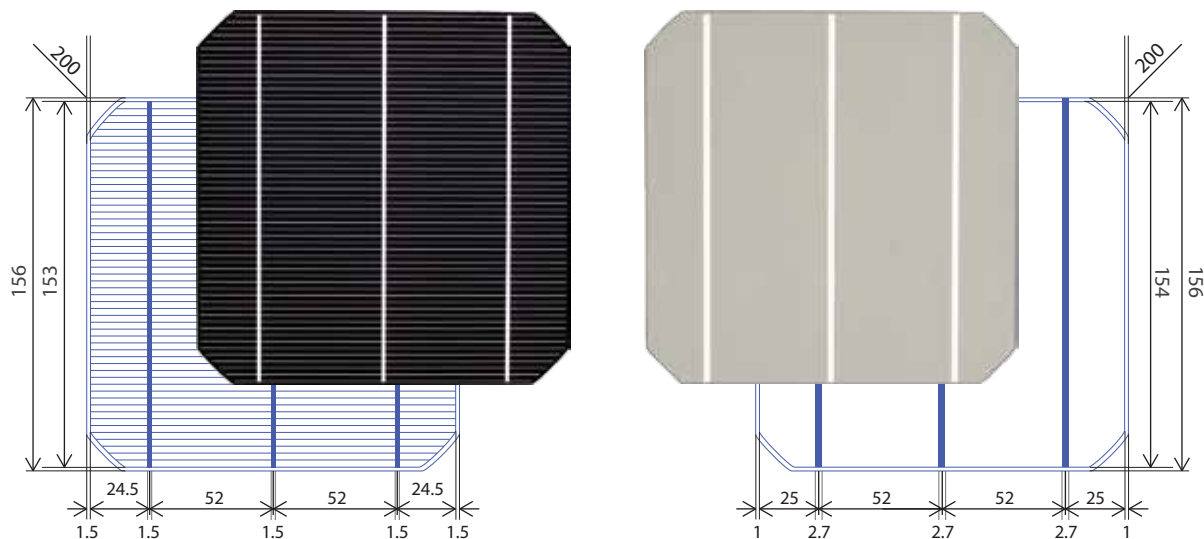


Sunrise SR6SK4R 156x156 Monocrystalline Solar Cell 3 Bus Bars

1 FRONT AND BACK OF THE CELL AND REFERENCE DIMENSIONS



2 ELECTRICAL DATA

| Efficiency (%) | P _{mpp} (W) | V _{oc} (V) | I _{sc} (A) | V _{mpp} (V) | I _{mp} (A) |
|----------------|----------------------|---------------------|---------------------|----------------------|---------------------|
| 18.40-18.50 | 4.41 | 0.633 | 8.74 | 0.527 | 8.366 |
| 18.30-18.40 | 4.38 | 0.632 | 8.72 | 0.526 | 8.336 |
| 18.20-18.30 | 4.36 | 0.632 | 8.70 | 0.526 | 8.291 |
| 18.10-18.20 | 4.34 | 0.631 | 8.68 | 0.525 | 8.261 |
| 18.00-18.10 | 4.31 | 0.631 | 8.66 | 0.525 | 8.215 |
| 17.90-18.00 | 4.29 | 0.63 | 8.64 | 0.524 | 8.185 |
| 17.80-17.90 | 4.27 | 0.63 | 8.62 | 0.524 | 8.140 |
| 17.70-17.80 | 4.24 | 0.629 | 8.60 | 0.523 | 8.110 |
| 17.60-17.70 | 4.22 | 0.629 | 8.58 | 0.523 | 8.064 |
| 17.50-17.60 | 4.19 | 0.628 | 8.56 | 0.522 | 8.034 |
| 17.40-17.50 | 4.17 | 0.628 | 8.54 | 0.522 | 7.988 |
| 17.30-17.40 | 4.15 | 0.626 | 8.52 | 0.521 | 7.957 |
| 17.20-17.30 | 4.12 | 0.624 | 8.50 | 0.511 | 7.911 |

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

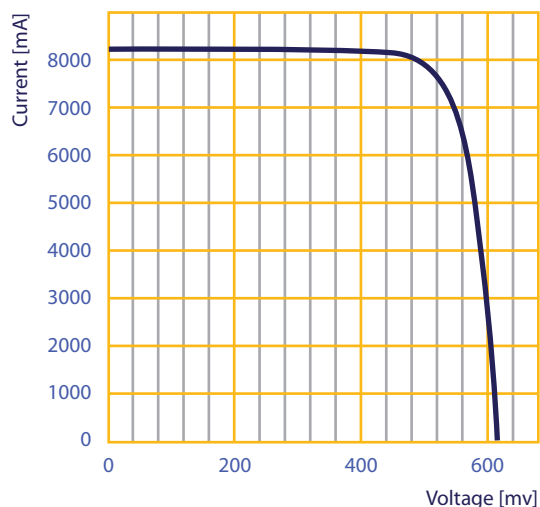
| | |
|---------------|---|
| Square length | 156 ± 0.5 mm |
| Diameter | 200 ± 0.5 mm (round chamfers) |
| Thickness | 200 ± 30µm |
| Front surface | 1.5 mm silver bus bar, blue anti-reflecting silicon nitride coating |
| Back surface | 2.7 mm silver wide soldering pads, aluminum surface field |
| Base material | p-type mono-crystalline silicon wafer |
| Junction | Phosphorous diffused N on P |

4 TEMPERATURE COEFFICIENTS

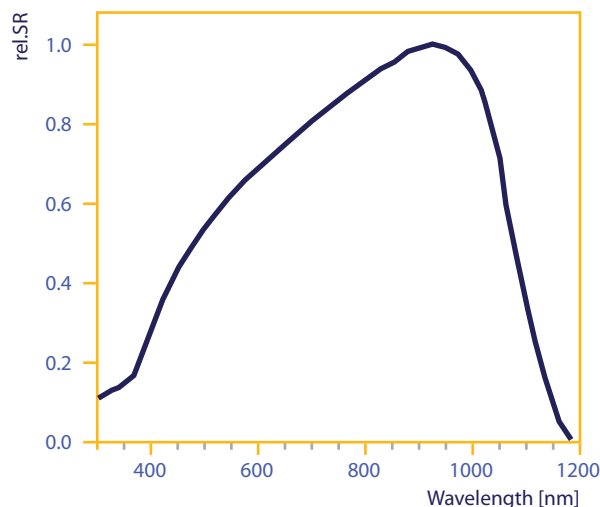
| | |
|---------|------------|
| Voltage | -0.350 %/K |
| Current | 0.030 %/K |
| Power | -0.466 %/K |

5 ELECTRICAL CURVES

IV Curve



Spectral Response



Sunrise Global Solar Energy Company Ltd.

No.1 Sec.2 Ligong 1st Rd.,
Wujie Township, Yilan 268, Taiwan

TEL +886 (0)3 990 5511 MAIL info@SunriseGlobalSolar.com

FAX +886 (0)3 990 3195 WEB www.SunriseGlobalSolar.com