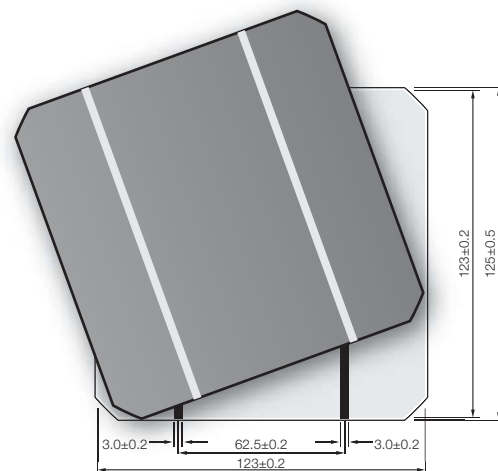
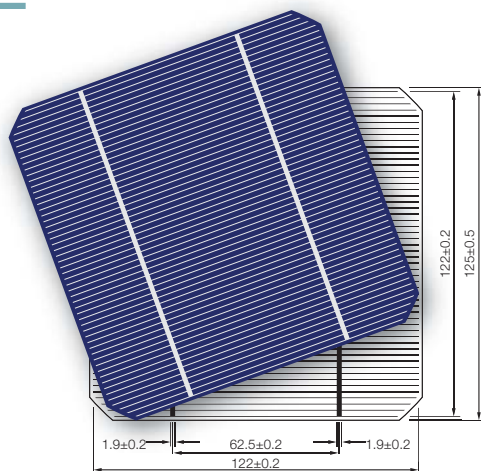


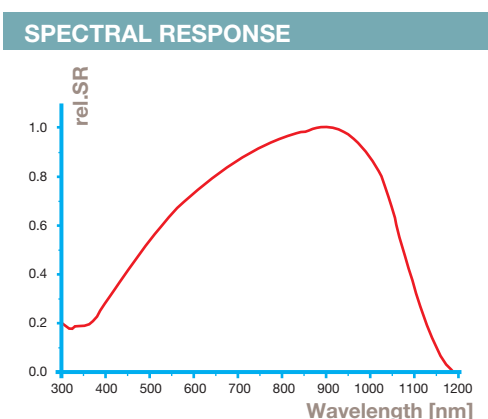
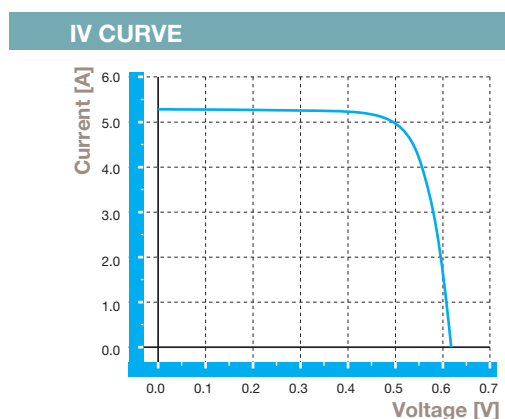
# 125SLR2

Mono 5"(R165)

Monocrystalline silicon solar cells



| MECHANICAL DATA AND DESIGN |                                                                       | No. | Efficiency(%) | Pmpp(W) | Ump(V) | Imp(A) | Uoc(V) | Isc(A) | FF(%) |
|----------------------------|-----------------------------------------------------------------------|-----|---------------|---------|--------|--------|--------|--------|-------|
| Format                     | 125mm×125mm±0.5mm                                                     | 10  | 17.80-18.00   | 2.76    | 0.528  | 5.223  | 0.630  | 5.580  | 78.49 |
| Thickness                  | 190μm±20μm                                                            | 09  | 17.60-17.80   | 2.73    | 0.526  | 5.191  | 0.629  | 5.558  | 78.07 |
| Front(-)                   | 1.9mm bus bars(silver), blue anti-reflecting coating(silicon nitride) | 08  | 17.40-17.60   | 2.70    | 0.524  | 5.158  | 0.628  | 5.534  | 77.74 |
|                            |                                                                       | 07  | 17.20-17.40   | 2.66    | 0.520  | 5.120  | 0.627  | 5.503  | 77.15 |
| Back(+)                    | 3mm wide soldering pads(silver) back surface field(aluminium)         | 06  | 17.00-17.20   | 2.63    | 0.518  | 5.076  | 0.626  | 5.462  | 76.92 |
|                            |                                                                       | 05  | 16.80-17.00   | 2.60    | 0.517  | 5.032  | 0.625  | 5.410  | 76.88 |
| TEMPERATURE COEFFICIENTS   |                                                                       | 04  | 16.60-16.80   | 2.57    | 0.516  | 4.981  | 0.624  | 5.375  | 76.68 |
| TkVoltage                  | -0.356%/K                                                             | 03  | 16.30-16.60   | 2.55    | 0.516  | 4.944  | 0.623  | 5.336  | 76.66 |
| TkCurrent                  | +0.024%/K                                                             | 02  | 15.90-16.30   | 2.49    | 0.507  | 4.909  | 0.620  | 5.291  | 75.92 |
| TkPower                    | -0.46%/K                                                              | 01  | 15.50-15.90   | 2.43    | 0.501  | 4.855  | 0.611  | 5.246  | 75.77 |



### INTENSITY DEPENDENCE

| Intensity [W/m²] | Isc* | Voc*  |
|------------------|------|-------|
| 1000             | 1.0  | 1.000 |
| 900              | 0.9  | 0.989 |
| 500              | 0.5  | 0.963 |
| 300              | 0.3  | 0.939 |
| 200              | 0.2  | 0.920 |

\*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m²