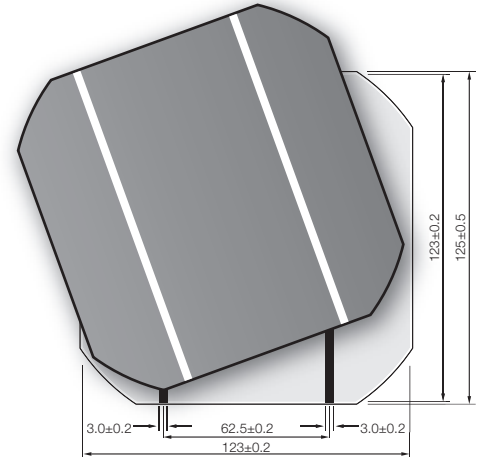
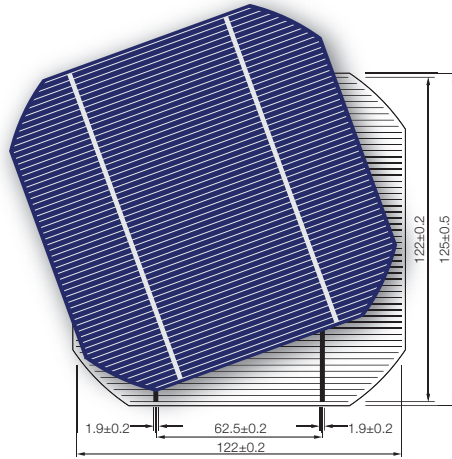


125S

Mono 5"(R150) 125S0R2

Monocrystalline silicon solar cells



MECHANICAL DATA AND DESIGN

Format 125mm×125mm±0.5mm

Thickness 190µm±20µm

Front(-) 1.9mm bus bars(silver), blue anti-reflecting coating(silicon nitride)

Back(+) 3mm wide soldering pads(silver) back surface field(aluminium)

TEMPERATURE COEFFICIENTS

TkVoltage -0.348%/K

TkCurrent +0.031%/K

TkPower -0.46%/K

Efficiency(%)	Pmpp(W)	Ump(V)	Imp(A)	Uoc(V)	Isc(A)	FF(%)
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17.75-18.00	2.66	0.533	4.986	0.630	5.327	79.24
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17.50-17.75	2.62	0.528	4.959	0.629	5.297	78.60
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17.25-17.50	2.58	0.523	4.934	0.629	5.285	77.59
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17.00-17.25	2.54	0.519	4.906	0.628	5.270	76.74
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16.75-17.00	2.50	0.512	4.884	0.628	5.262	75.70
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16.50-16.75	2.47	0.509	4.861	0.627	5.254	75.00
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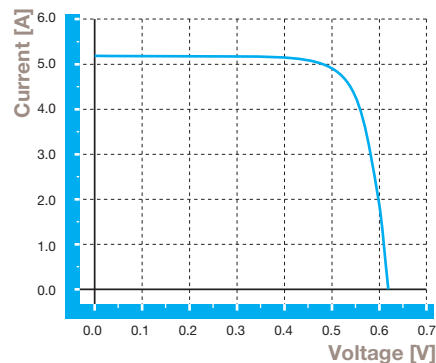
16.25-16.50	2.43	0.507	4.798	0.626	5.245	74.07
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16.00-16.25	2.40	0.504	4.754	0.625	5.237	73.34
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15.75-16.00	2.36	0.502	4.696	0.624	5.228	72.34
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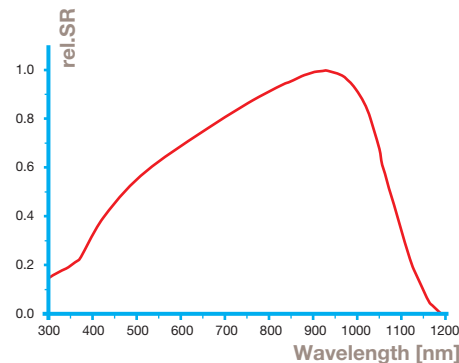
15.50-15.75	2.32	0.500	4.636	0.621	5.180	72.12
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IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc* [mA]	Voc* [mV]
1000	1.0	1.000
900	0.9	0.994
500	0.5	0.968
300	0.3	0.942
200	0.2	0.922

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