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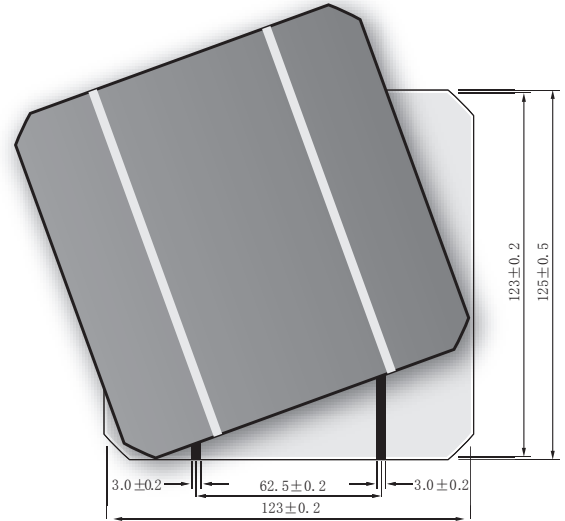
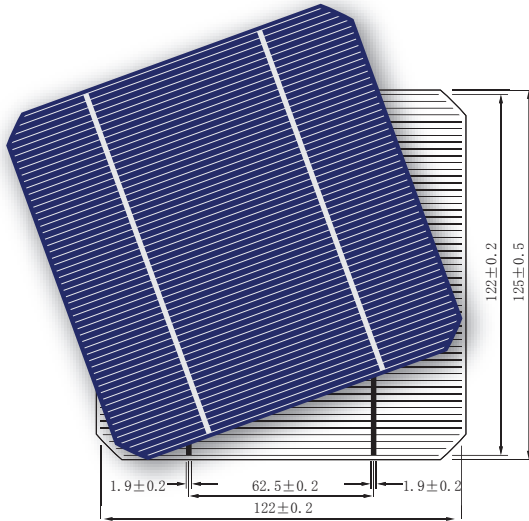


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125SL

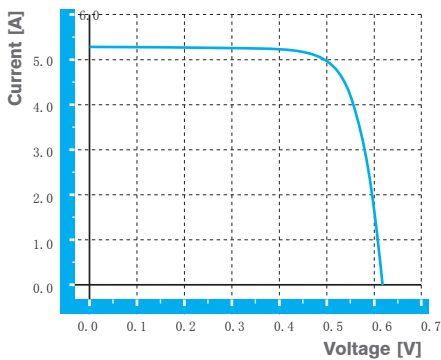
Mono 5" (R165) 125SLR2

Monocrystalline silicon solar cells



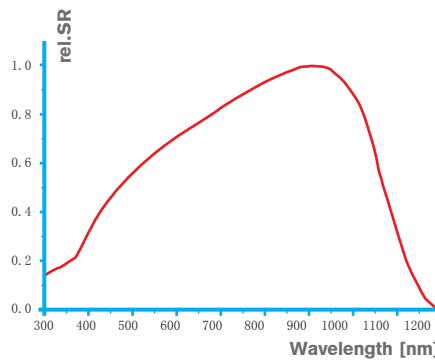
MECHANICAL DATA AND DESIGN		Efficiency(%)	Pmpp(W)	Ump(V)	Imp(A)	Uoc(V)	Isc(A)	FF(%)
Format	125mm×125mm±0.5mm	17.75-18.00	2.77	0.527	5.245	0.631	5.591	78.42
Thickness	190 μm ± 20 μm	17.50-17.75	2.73	0.524	5.213	0.628	5.566	78.17
Front(-)	1.9mm bus bars(silver), blue anti-reflecting coating(silicon nitride)	17.25-17.50	2.69	0.520	5.177	0.625	5.536	77.85
		17.00-17.25	2.65	0.515	5.152	0.623	5.546	76.72
Back(+)	3mm wide soldering pads(silver) back surface field(aluminium)	16.75-17.00	2.61	0.510	5.121	0.624	5.563	75.33
		16.50-16.75	2.57	0.504	5.107	0.622	5.575	74.25
TEMPERATURE COEFFICIENTS		16.25-16.50	2.54	0.505	5.038	0.625	5.579	72.94
TkVoltage	-0.356%/K	16.00-16.25	2.50	0.497	5.028	0.620	5.583	72.21
TkCurrent	+0.024%/K	15.75-16.00	2.46	0.501	4.920	0.624	5.553	71.28
TkPower	-0.46%/K	15.50-15.75	2.42	0.502	4.843	0.623	5.553	70.01

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	0.989
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

浙江艾能聚光伏科技股份有限公司
ZHEJIANG ENERGY PHOTOVOLTAIC TECHNOLOGY CO., LTD

地址: 中国浙江海盐澉浦六里集镇翠屏路北侧
电话: +86-573-86567888

传真: +86-573-86567886
邮编: 314301