ORI-125X125 RM

2BB

MONOCRYSTALLINE SILICON SOLAR CELLS

MECHANICAL DATA AND DESIGN

Format	125mm×125mm±0.5mm
Thickness	200μm±20μm
Front(-)	1.4mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2.0mm wide soldering pads(silver) back surface field(aluminum)

TEMPERATURE COEFFICIENTS

TkVoltage	- 0.32%/K
TkCurrent	+0.043%/K
TkPower	- 0.42%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)
07	19.30-19.40	2.968	0.538	5.517	0.641	5.847
06	19.20-19.30	2.953	0.537	5.499	0.641	5.841
05	19.10-19.20	2.937	0.536	5.479	0.641	5.830
04	19.00-19.10	2.922	0.534	5.472	0.641	5.817
03	18.90-19.00	2.907	0.533	5.454	0.640	5.808
02	18.80-18.90	2.891	0.532	5.434	0.639	5.794
01	18.70-18.80	2.876	0.531	5,416	0.637	5.763

Specifications subjects to technical changes and tests. ORI Solar reserves the right of final interpretation.

ORI SOLAR LIMITED 2014

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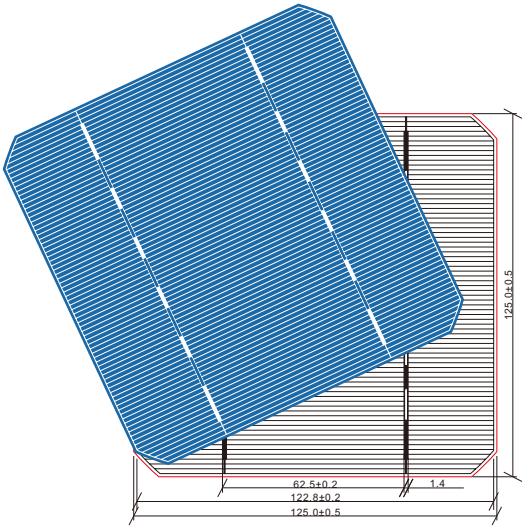
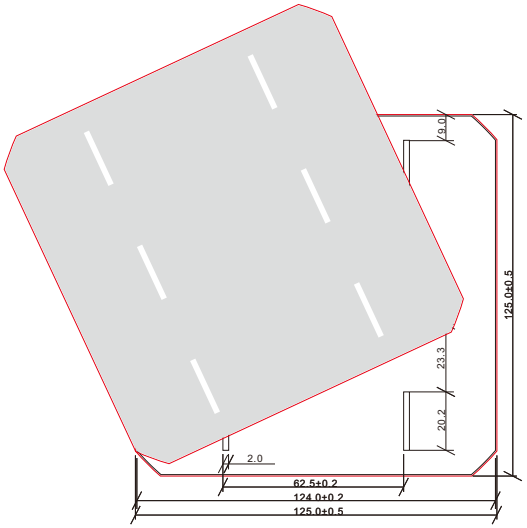
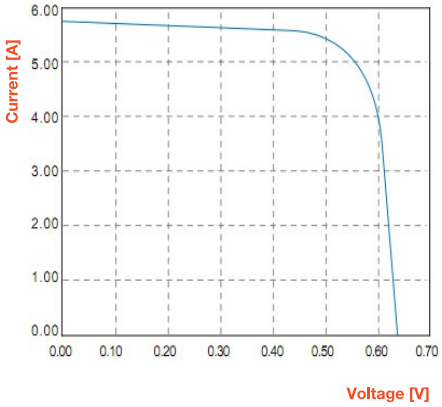
POLYCRYSTALLINE SILICON SOLAR CELLS

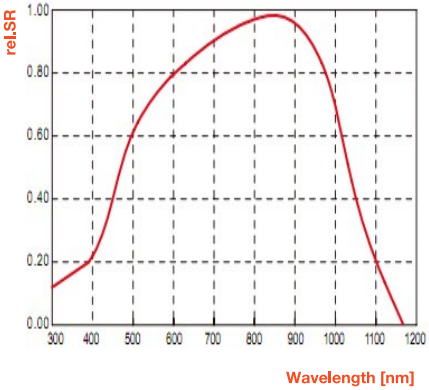




IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
800	0.80	0.99	0.80
600	0.60	0.97	0.60
400	0.40	0.96	0.39
200	0.20	0.93	0.19

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

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