



ORI-156X156 RP

3BB

MULTICRYSTALLINE SILICON SOLAR CELLS

ORI Solar's Poly Cells. Manufacturing modules with more than **260W(6×10)** and **310W(6×12)** power output becomes easier than ever.

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	210µm±30µm
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

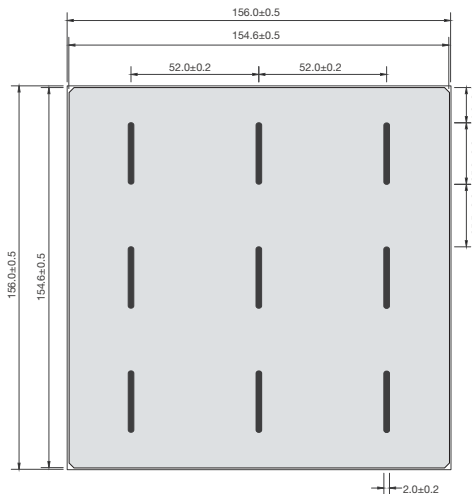
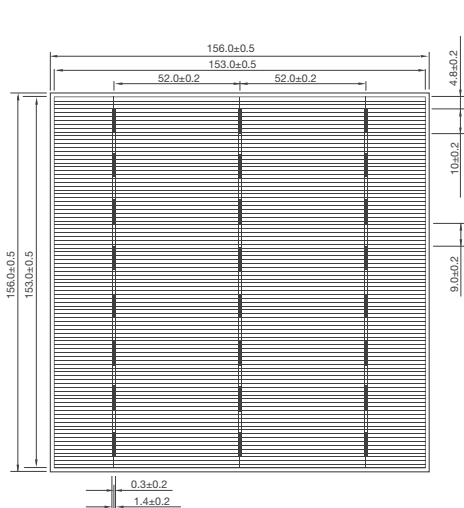
TkVoltage	-0.35%/K
TkCurrent	+0.06%/K
TkPower	-0.42%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
12	18.50-19.00	4.50	0.541	8.321	0.643	8.857	79.05
11	18.40-18.50	4.48	0.540	8.293	0.642	8.831	78.97
10	18.30-18.40	4.46	0.539	8.274	0.641	8.811	78.92
09	18.20-18.30	4.43	0.537	8.242	0.640	8.778	78.87
08	18.10-18.20	4.41	0.536	8.221	0.638	8.757	78.82
07	18.00-18.10	4.38	0.535	8.193	0.637	8.730	78.75
06	17.90-18.00	4.36	0.533	8.171	0.636	8.710	78.67
05	17.80-17.90	4.33	0.532	8.149	0.635	8.691	78.57
04	17.70-17.80	4.31	0.530	8.128	0.633	8.672	78.47
03	17.60-17.70	4.29	0.529	8.106	0.632	8.650	78.40
02	17.50-17.60	4.26	0.527	8.079	0.631	8.626	78.30
01	17.40-17.50	4.24	0.526	8.053	0.629	8.601	78.25

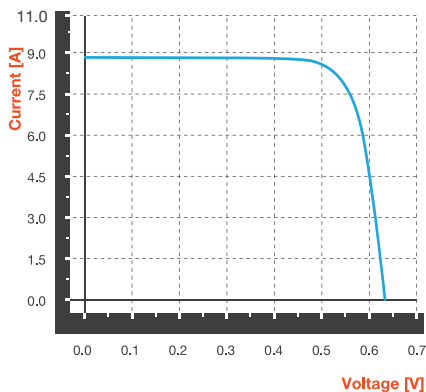


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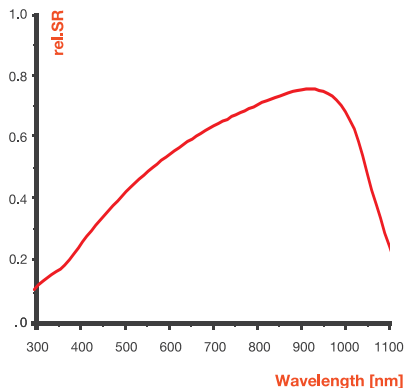
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IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.90
800	0.80	0.99	0.79
500	0.50	0.97	0.49
300	0.30	0.94	0.29
200	0.20	0.91	0.19

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