



P6RF-5 5BB

CYPRESS3 MULTICRYSTALLINE SILICON SOLAR CELLS

JUST Solar's High-efficiency Poly Cells. Manufacturing modules with more than **270Wp (6×10)** and **320Wp (6×12)** power output becomes easier than ever.

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	210μm±30μm
Front(-)	1.1 mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	1.6 mm 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(%)
10	18.80-19.20	4.53	0.541	8.366	0.639	8.895	79.48
09	18.70-18.80	4.50	0.539	8.346	0.638	8.876	79.42
08	18.60-18.70	4.48	0.538	8.329	0.637	8.858	79.37
07	18.50-18.60	4.46	0.536	8.310	0.635	8.839	79.31
06	18.40-18.50	4.43	0.534	8.292	0.634	8.823	79.25
05	18.30-18.40	4.41	0.533	8.273	0.632	8.804	79.19
04	18.20-18.30	4.38	0.531	8.253	0.631	8.785	79.14
03	18.10-18.20	4.36	0.530	8.231	0.629	8.764	79.08
02	18.00-18.10	4.33	0.528	8.206	0.628	8.739	79.03
01	17.90-18.00	4.31	0.527	8.181	0.626	8.717	78.97

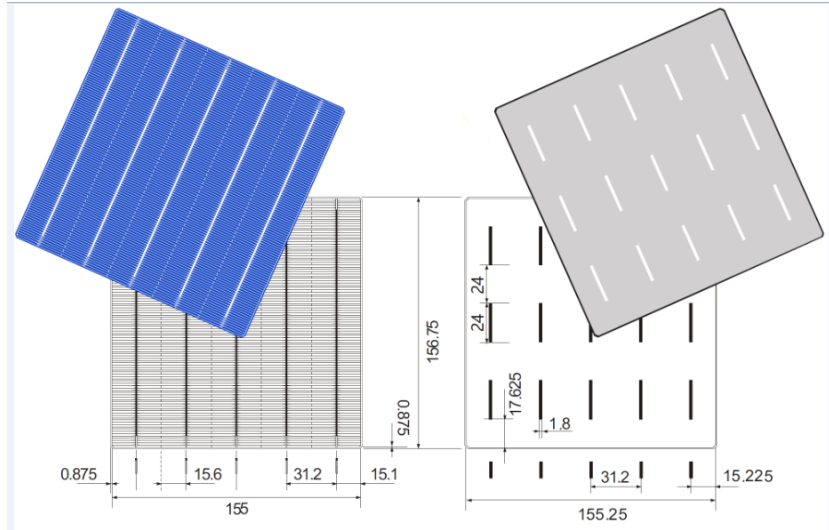
Specifications subjects to technical changes and tests. JUSTSolar reserves the right of final interpretation.

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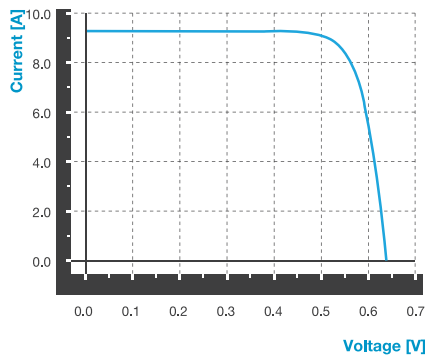
5BB CYPRESS3



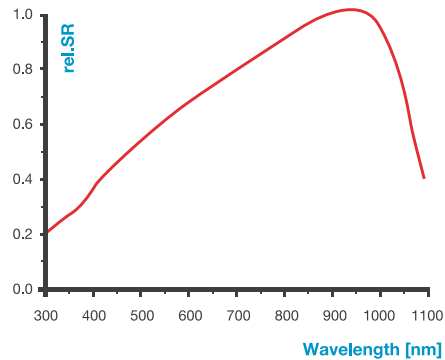
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IV CURVE



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