



P6RE-4 4BB

MULTICRYSTALLINE SILICON SOLAR CELLS

JUSTSolar's High-efficiency Poly Cells using Black Silicon Technology. Manufacturing modules with more than **270Wp (6x10)** and **325Wp (6x12)** 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

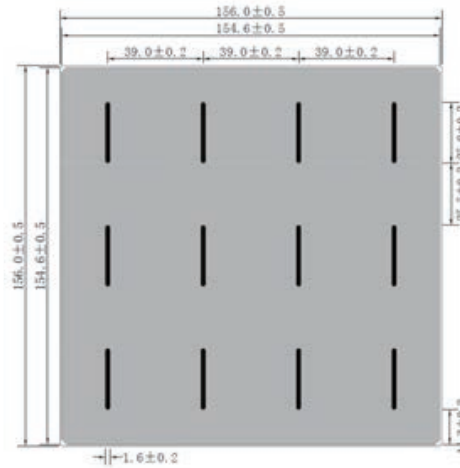
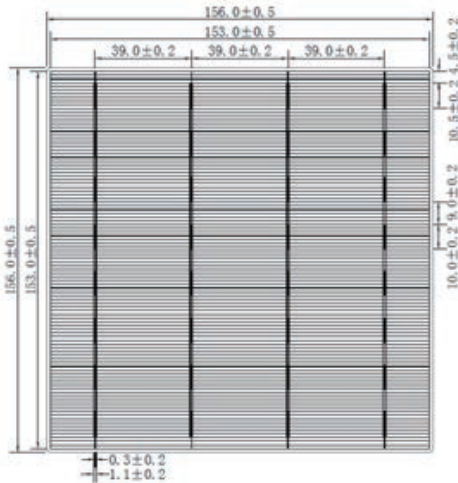
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.10-20.00	4.65	0.541	8.598	0.639	9.161	79.35
09	19.00-19.10	4.63	0.539	8.586	0.638	9.135	79.34
08	18.90-19.00	4.60	0.538	8.543	0.637	9.101	79.31
07	18.80-18.90	4.58	0.537	8.513	0.636	9.071	79.29
06	18.70-18.80	4.55	0.536	8.487	0.635	9.043	79.23
05	18.60-18.70	4.53	0.535	8.463	0.634	9.020	79.17
04	18.50-18.60	4.50	0.534	8.441	0.633	8.998	79.10
03	18.40-18.50	4.48	0.532	8.420	0.631	8.977	79.03
02	18.30-18.40	4.46	0.531	8.395	0.630	8.951	79.01
01	18.20-18.30	4.43	0.529	8.369	0.629	8.924	78.96

Specifications are subject to technical changes and tests. JUST Solar reserves the right to interpret them.

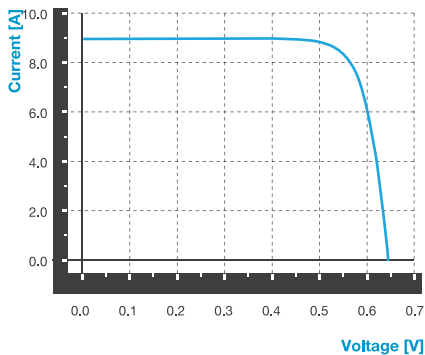
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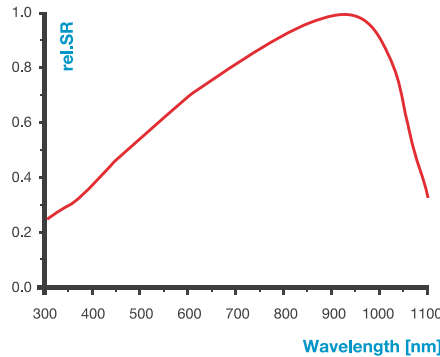
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IV CURVE



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