

JACP6RE-4 4BB

MULTICRYSTALLINE SILICON SOLAR CELLS



JA Solar's High-efficiency Poly Cells using Black Silicon Technology. Manufacturing modules with more than **275Wp (6x10)** and **330Wp (6x12)** power output becomes easier than ever.

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.1mm
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

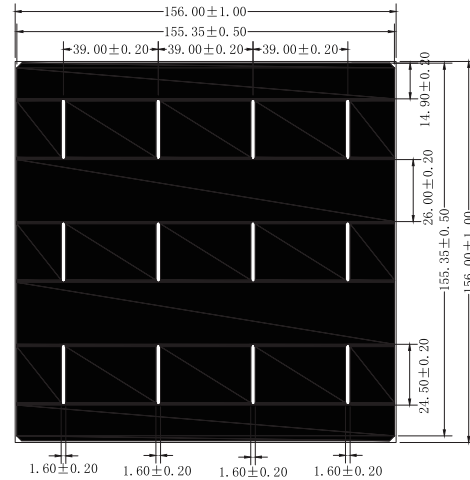
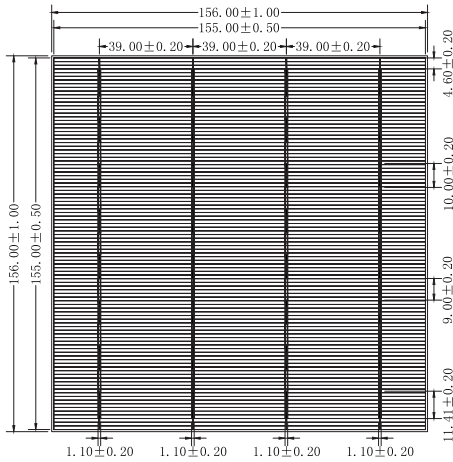
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.10-20.00	4.70	0.544	8.639	0.643	9.204	79.29
09	19.00-19.10	4.67	0.543	8.606	0.643	9.169	79.27
08	18.90-19.00	4.65	0.542	8.574	0.642	9.133	79.26
07	18.80-18.90	4.62	0.541	8.542	0.641	9.098	79.25
06	18.70-18.80	4.60	0.540	8.514	0.640	9.069	79.22
05	18.60-18.70	4.57	0.539	8.490	0.639	9.047	79.14
04	18.50-18.60	4.55	0.537	8.469	0.637	9.030	79.01
03	18.40-18.50	4.52	0.536	8.442	0.637	9.009	78.87
02	18.30-18.40	4.50	0.535	8.411	0.636	8.987	78.69
01	18.20-18.30	4.47	0.534	8.384	0.636	8.962	78.54

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

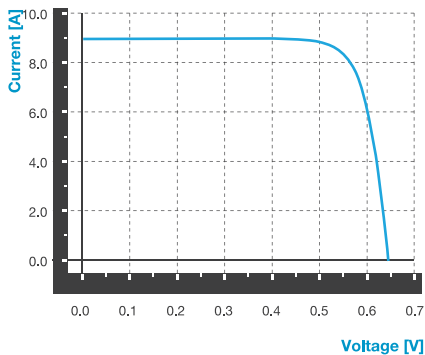
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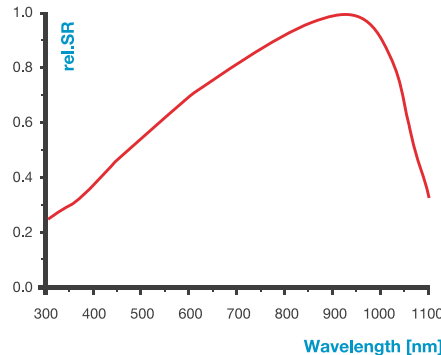
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IV CURVE



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