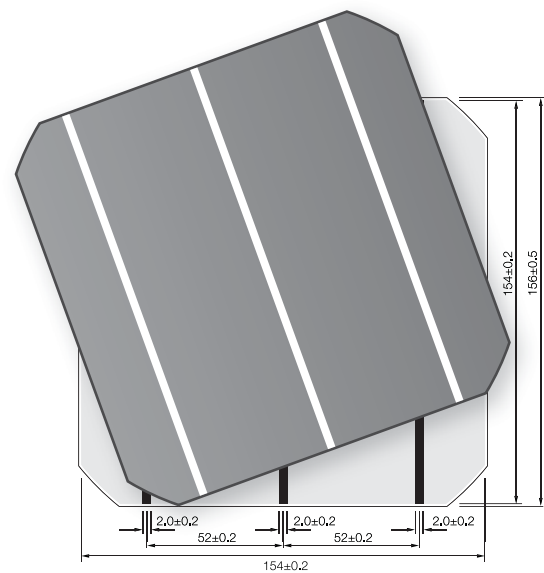
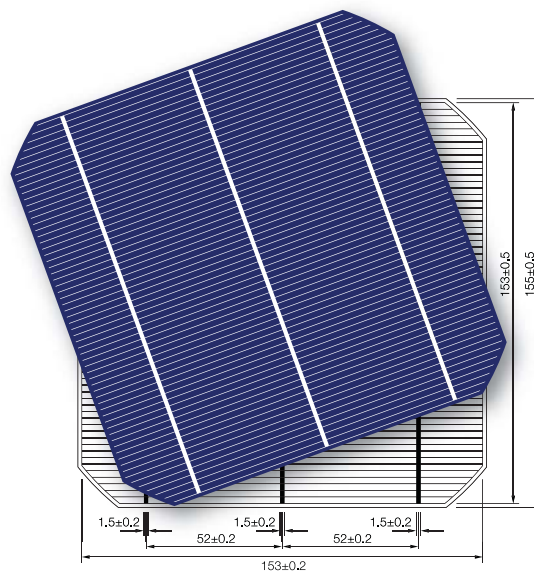


JAC M6SL 3BB MONOCRYSTALLINE SILICON SOLAR CELLS



The new cost effective, high efficiency solar cells enable substantially better spectral response at blue wavelength. Manufacturing modules with more than 250W (6×10) and 300W (6×12) power output becomes easier than ever.



* For reference only

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	200μm±20μm
Front(-)	1.5mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver), back surface field(aluminum)

TEMPERATURE COEFFICIENTS

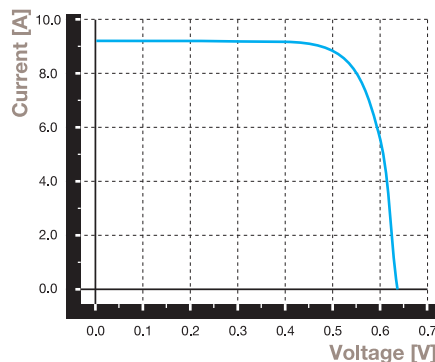
TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.37%/K

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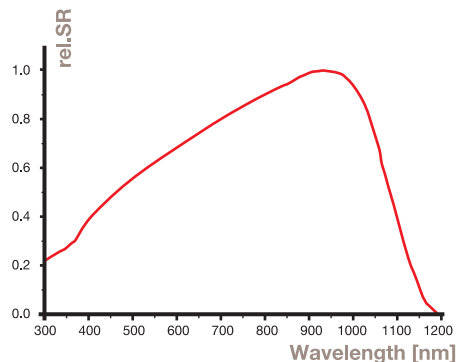
No.	Efficiency(%)	Pmpp(W)	Ump(V)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)	FF(%)
11	19.00-19.20	4.54	0.544	8.359	0.643	8.891	79.56
10	18.80-19.00	4.49	0.543	8.302	0.643	8.857	79.13
09	18.60-18.80	4.45	0.542	8.243	0.642	8.803	79.02
08	18.40-18.60	4.40	0.539	8.201	0.640	8.764	78.81
07	18.20-18.40	4.35	0.536	8.163	0.638	8.738	78.44
06	18.00-18.20	4.30	0.532	8.135	0.636	8.727	77.90
05	17.80-18.00	4.26	0.528	8.106	0.635	8.716	77.26
04	17.60-17.80	4.21	0.524	8.072	0.634	8.701	76.66
03	17.40-17.60	4.16	0.520	8.034	0.634	8.696	75.81
02	17.20-17.40	4.11	0.518	7.983	0.634	8.683	75.15
01	17.00-17.20	4.06	0.514	7.943	0.633	8.679	74.38

IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	I _{sc} *	V _{oc} *
1000	1.0	1.000
900	0.9	0.995
500	0.5	0.969
300	0.3	0.946
200	0.2	0.926

*Ratio of Voc(I_{sc}) at reduced intensity to Voc(I_{sc}) at 1000 W/m²

JA SOLAR HOLDINGS CO., LTD.

No. 36, Jiang Chang San Road, Zhabei, Shanghai, 200436, China
www.jasolar.com

Tel: +86 (21) 6095 5999 / 6095 5888
Fax: +86 (21) 6095 5959 / 6095 5858