JSSOLAR
Shine your way

JS156B4 MULTICRYSTALLINE CELLS

FEATURES:

High conversion efficiencies resulting in superior power output performance

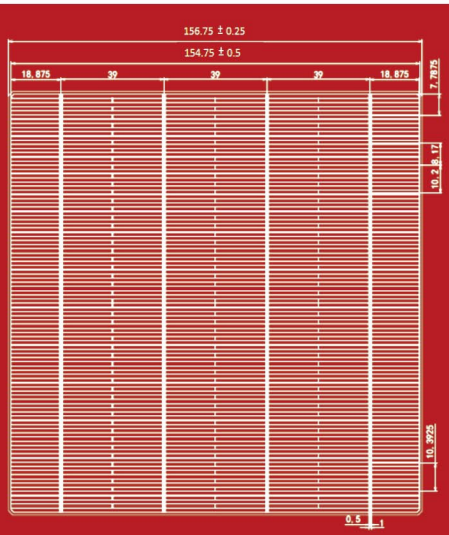
Outstanding power output even in low light or high temperature conditions

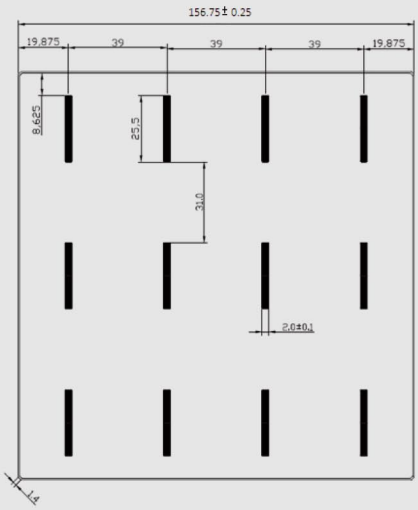
Optimized design for ease of soldering and lamination

Long-term stability, reliability and performance

Low breakage rate

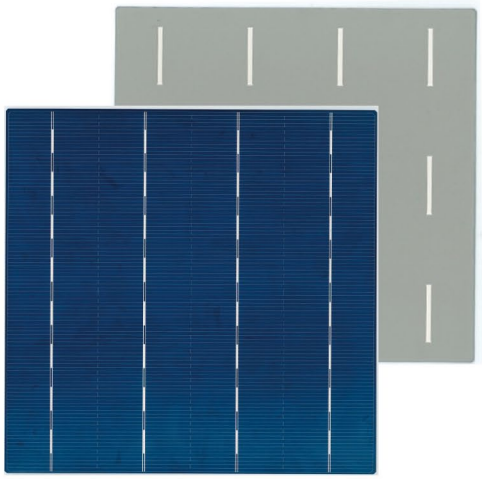
Uniform Color





PRODUCTION AND QUALITY CONTROL

Mature technical control and strict sorting standard to ensure consistency and reliability of solar cell;
Completely careful operation during production to avoid micro-cracks and reduce breakage rates during module assembly.



Dimension	156.75mm x 156.75mm ± 0.25mm
Thickness(Si)	180μm ± 20μm, 200μm ± 20μm
Front	Blue silicon nitride anti-reflection coatings
	1.0 mm hollow silver busbars
Back	Full-surface aluminum back-surface field
	2.0 mm (silver / aluminum) discontinuous soldering pads

CERTIFICATIONS & STANDARDS*

IEC CE

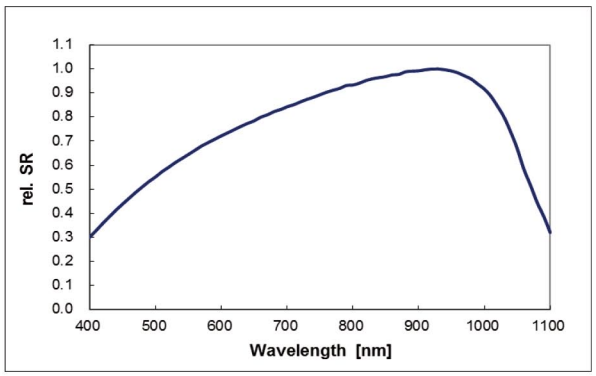
Application Class A
Safety Class II

TEMPERATURE COEFFICIENTS

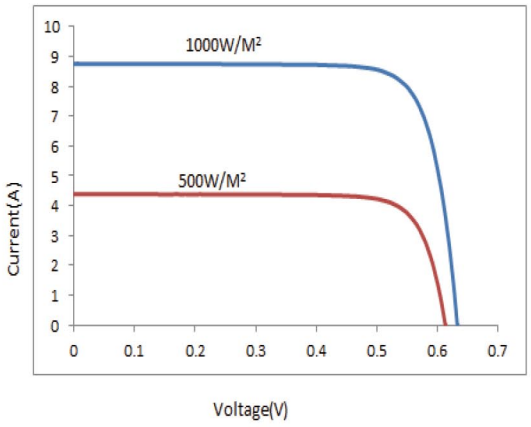
Current Temperature Coefficient	α(Isc)	0.05%/°C
Voltage Temperature Coefficient	β(Voc)	-0.33%/°C
Power Temperature Coefficient	γ (Pmax)	-0.38%/°C

Standard test conditions : AM1.5, 1000W/m², 25°C.

SPECTRAL RESPONSE(SR)



IV CURVE



ELECTRICAL PERFORMANCE

Efficiency Code		190	188	186	184	183	182
Efficiency	Eff(%)	19.00	18.80	18.60	18.40	18.30	18.20
Power	Ppm(W)	4.67	4.62	4.57	4.52	4.50	4.47
Max. Power Current	Ipm(A)	8.54	8.49	8.45	8.40	8.38	8.36
Short Circuit Current	Isc(A)	8.99	8.96	8.92	8.89	8.87	8.85
Max. Power Voltage	Vpm(V)	0.547	0.554	0.541	0.538	0.537	0.535
Open Circuit Voltage	Voc(V)	0.645	0.643	0.640	0.638	0.637	0.635
Efficiency Code		**181**	**180**	**178**	**176**	**174**	**172**
Efficiency	Eff(%)	18.10	18.00	17.80	17.60	17.40	17.20
Power	Ppm(W)	4.45	4.42	4.37	4.32	4.28	4.23
Max. Power Current	Ipm(A)	8.34	8.31	8.27	8.22	8.17	8.13
Short Circuit Current	Isc(A)	8.83	8.81	8.78	8.74	8.70	8.67
Max. Power Voltage	Vpm(V)	0.534	0.532	0.530	0.527	0.524	0.521
Open Circuit Voltage	Voc(V)	0.634	0.632	0.629	0.627	0.624	0.622

Standard test conditions: AM1.5, 1000W/m², 25°C. | Average accuracy of all tested figures is ±1.5% rel.

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5, cell temperature 25°C). All measurements are guaranteed at the laminate leads.
NOCT is measured at 800 W/m², 20°C ambient, and 1 m/s windspeed. Specifications are subject to change without notice.
JS Solar reserves the rights of final interpretation and revision on this datasheet.

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