

JS156B5 POLYCRYSTALLINE CELLS

FEATURES:

High conversion efficiencies resulting in superior power output performance

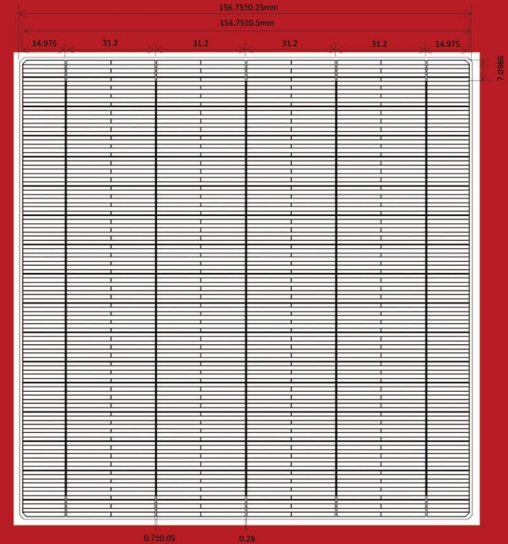
Outstanding power output even in low light or high temperature conditions

Optimized design for ease of soldering and lamination

Long-term stability, reliability and performance

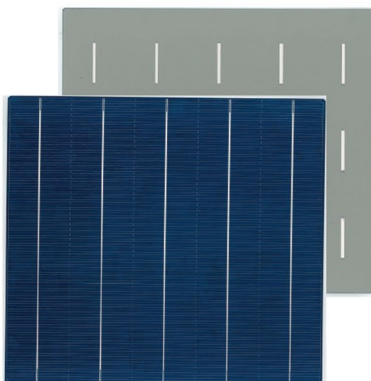
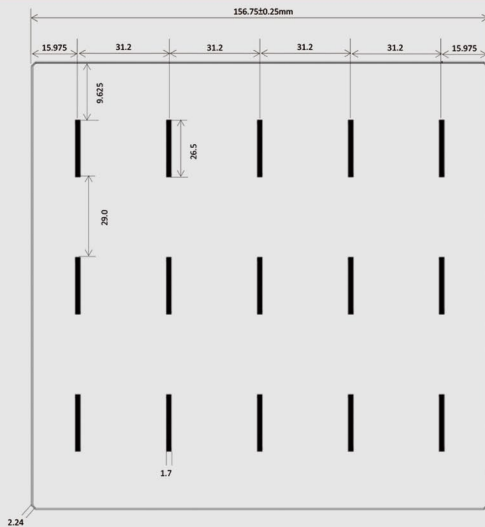
Low breakage rate

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.



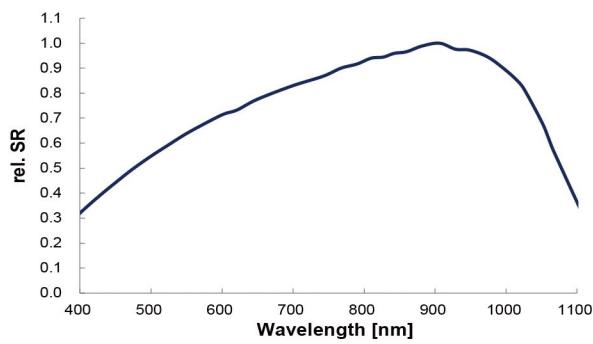
Dimension	156.75mm x 156.75mm ± 0.25mm
Thickness(Si)	180μm ± 20μm, 200μm ± 20μm
Front	Blue silicon nitride anti-reflection coatings 0.7±0.05 mm silver busbars
Back	Full-surface aluminum back-surface field 1.7mm (silver / aluminum) discontinuous soldering pads

TEMPERATURE COEFFICIENTS

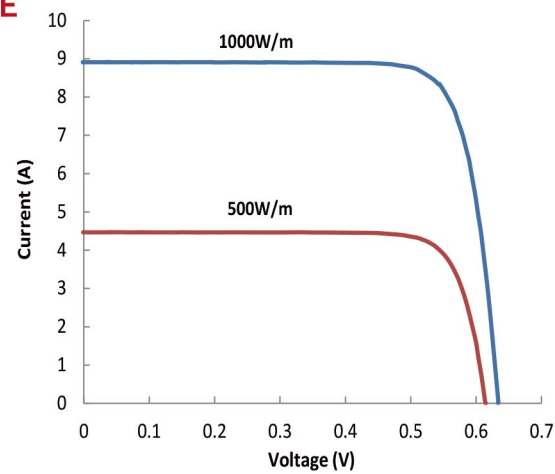
Current Temperature Coefficient	α (Isc)	0.04 %/°C
Voltage Temperature Coefficient	β (Voc)	-0.31 %/°C
Power Temperature Coefficient	γ (Pmax)	-0.40 %/°C

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

SPECTRAL RESPONSE(SR)



IV CURVE



ELECTRICAL PERFORMANCE

Efficiency Code		190	188	186	185	184
Efficiency	Eff(%)	19.00	18.80	18.60	18.50	18.40
Power	Ppm(W)	4.67	4.62	4.57	4.55	4.52
Max. Power Current	Ipm(A)	8.54	8.49	8.42	8.40	8.38
Short Circuit Current	Isc(A)	9.02	8.97	8.91	8.89	8.86
Max. Power Voltage	Vpm(V)	0.547	0.544	0.543	0.542	0.540
Open Circuit Voltage	Voc(V)	0.641	0.638	0.636	0.635	0.634
Efficiency Code		183	182	180	178	
Efficiency	Eff(%)	18.30	18.20	18.00	17.80	
Power	Ppm(W)	4.50	4.47	4.42	4.37	
Max. Power Current	Ipm(A)	8.36	8.33	8.27	8.22	
Short Circuit Current	Isc(A)	8.84	8.81	8.76	8.71	
Max. Power Voltage	Vpm(V)	0.538	0.537	0.535	0.532	
Open Circuit Voltage	Voc(V)	0.633	0.631	0.629	0.626	

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.