

JS157B5 POLYCRYSTALLINE CELLS

FEATURES:

High conversion efficiencies resulting in superior power output performance

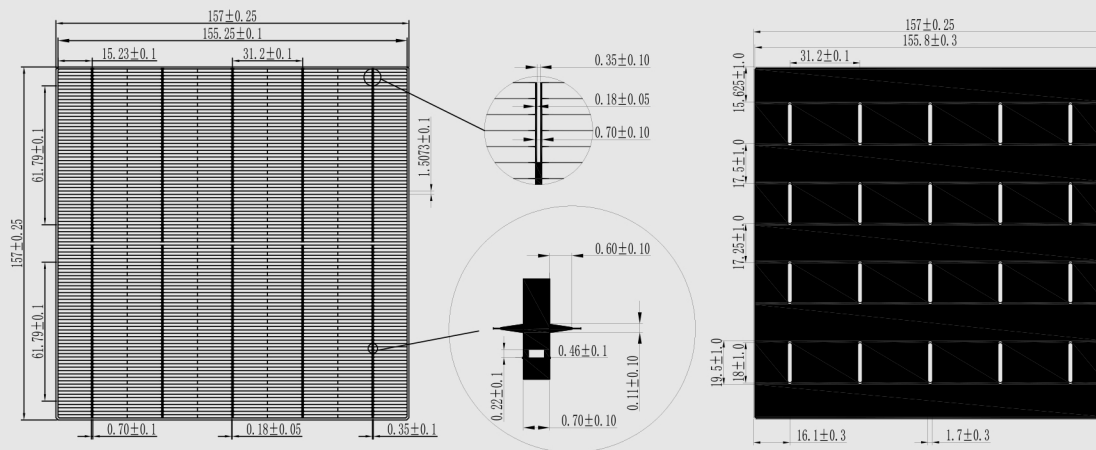
Outstanding power output even in low light or high temperature conditions

Optimized design for ease of soldering and lamination

Long-term stability, reliability and performance

Low breakage rate

Uniform Color



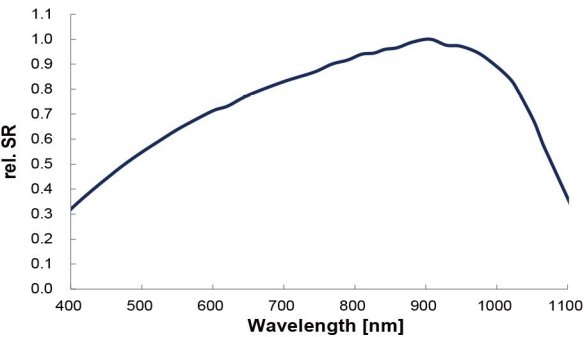
Dimension	157mm x 157mm $\pm$ 0.25mm
Thickness(Si)	180 μ m $\pm$ 20 μ m, 200 μ m $\pm$ 20 μ m
Front	Blue silicon nitride anti-reflection coatings 0.7 $\pm$ 0.05 mm silver busbars
Back	Full-surface aluminum back-surface field 1.7mm (silver / aluminum) discontinuous soldering pads

TEMPERATURE COEFFICIENTS

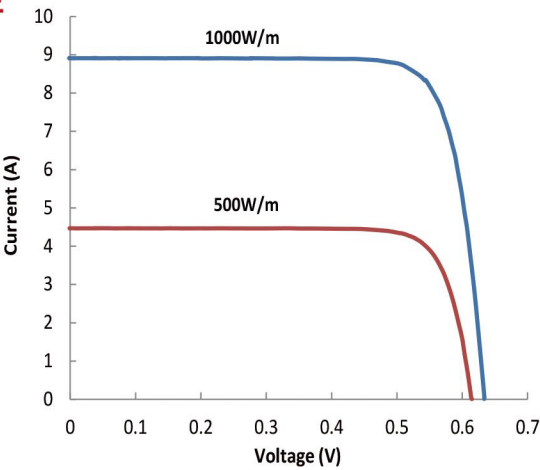
Current Temperature Coefficient	α (Isc)	0.04 %/°C
Voltage Temperature Coefficient	β (Voc)	-0.31 %/°C
Power Temperature Coefficient	γ (Pmax)	-0.40 %/°C

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

SPECTRAL RESPONSE(SR)



IV CURVE



ELECTRICAL PERFORMANCE

Efficiency Code		190	189	188	187	186
Efficiency	Eff(%)	19.00	18.90	18.80	18.70	18.60
Power	Ppm(W)	4.67	4.64	4.62	4.59	4.57
Max. Power Current	Ipm(A)	8.54	8.51	8.49	8.47	8.45
Short Circuit Current	Isc(A)	9.02	9.00	8.97	8.95	8.92
Max. Power Voltage	Vpm(V)	0.547	0.545	0.544	0.543	0.541
Open Circuit Voltage	Voc(V)	0.641	0.641	0.640	0.639	0.638
Efficiency Code		185	184	183	182	180
Efficiency	Eff(%)	18.50	18.40	18.30	18.20	18.00
Power	Ppm(W)	4.55	4.52	4.50	4.47	4.42
Max. Power Current	Ipm(A)	8.40	8.38	8.36	8.33	8.27
Short Circuit Current	Isc(A)	8.89	8.86	8.84	8.81	8.76
Max. Power Voltage	Vpm(V)	0.542	0.540	0.538	0.537	0.535
Open Circuit Voltage	Voc(V)	0.635	0.634	0.633	0.631	0.629

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.