

# JS156M5 MONOCRYSTALLINE CELLS

## FEATURES:

High conversion efficiencies resulting in superior power output performance

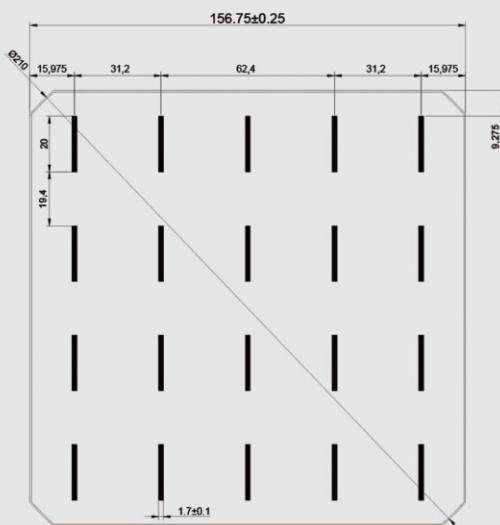
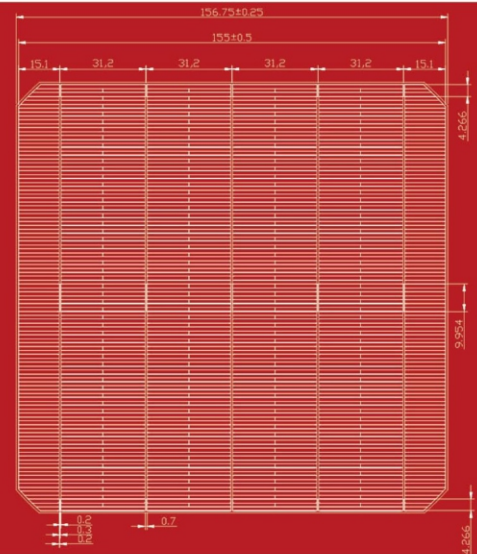
Outstanding power output even in low light or high temperature conditions

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.



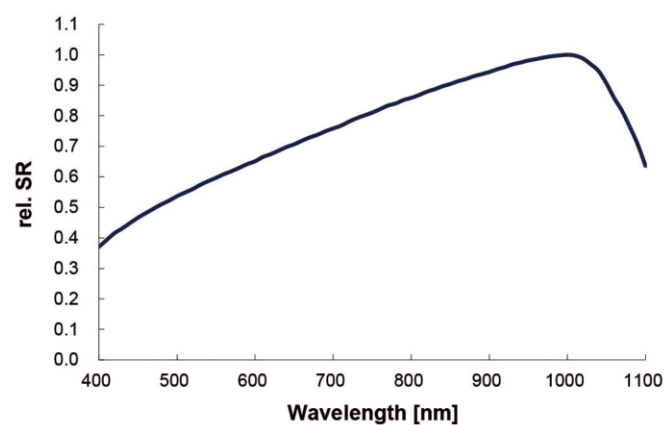
<b>Dimension</b>	156.75mm x 156.75mm ± 0.25mm
<b>Diagonal</b>	210mm ± 0.5mm (Round chamfers)
<b>Thickness(Si)</b>	200μm ± 20μm
<b>Front</b>	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings 0.7mm silver busbars
<b>Back</b>	Local aluminum back-surface field 1.7mm (silver / aluminum) discontinuous soldering pads

# TEMPERATURE COEFFICIENTS

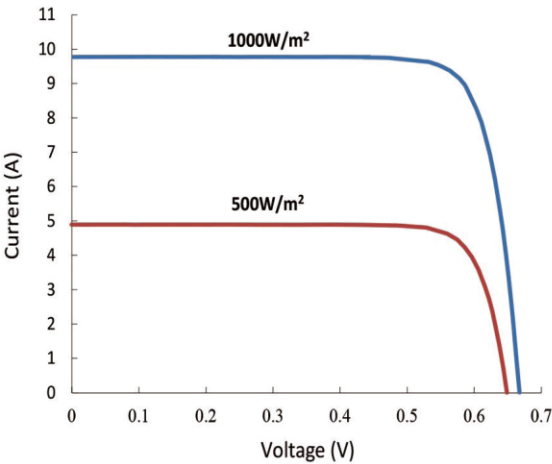
Current Temperature Coefficient	$\alpha$ (Isc)	0.04 %/°C
Voltage Temperature Coefficient	$\beta$ (Voc)	-0.31 %/°C
Power Temperature Coefficient	$\gamma$ (Pmax)	-0.41 %/°C

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

## SPECTRAL RESPONSE(SR)



## IV CURVE



# ELECTRICAL PERFORMANCE

Efficiency Code		225	223	221	220	219	218	217	216
Efficiency	Eff (%)	22.5	22.3	22.10	22.00	21.90	21.80	21.70	21.60
Power	P <sub>pm</sub> (W)	5.50	5.45	5.40	5.38	5.35	5.33	5.30	5.28
Max. Power Current	I <sub>pm</sub> (A)	9.48	9.43	9.40	9.39	9.37	9.35	9.33	9.31
Short Circuit Current	I <sub>sc</sub> (A)	9.91	9.89	9.87	9.86	9.85	9.84	9.82	9.81
Max. Power Voltage	V <sub>pm</sub> (V)	0.580	0.578	0.575	0.573	0.571	0.570	0.568	0.567
Open Circuit Voltage	V <sub>oc</sub> (V)	0.675	0.673	0.671	0.670	0.668	0.667	0.666	0.665

Efficiency Code		215	214	213	212	210
Efficiency	Eff (%)	21.50	21.40	21.30	21.20	21.00
Power	P <sub>pm</sub> (W)	5.25	5.23	5.20	5.18	5.13
Max. Power Current	I <sub>pm</sub> (A)	9.29	9.29	9.27	9.25	9.22
Short Circuit Current	I <sub>sc</sub> (A)	9.79	9.79	9.77	9.76	9.73
Max. Power Voltage	V <sub>pm</sub> (V)	0.565	0.563	0.561	0.560	0.556
Open Circuit Voltage	V <sub>oc</sub> (V)	0.663	0.661	0.659	0.658	0.656

Standard test condition : 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.