JSSOLAR
Shine your way

JS166M9 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

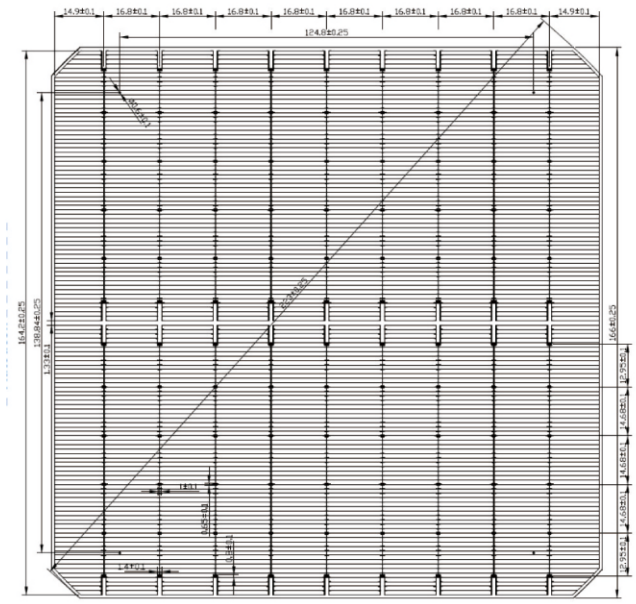
Low breakage rate

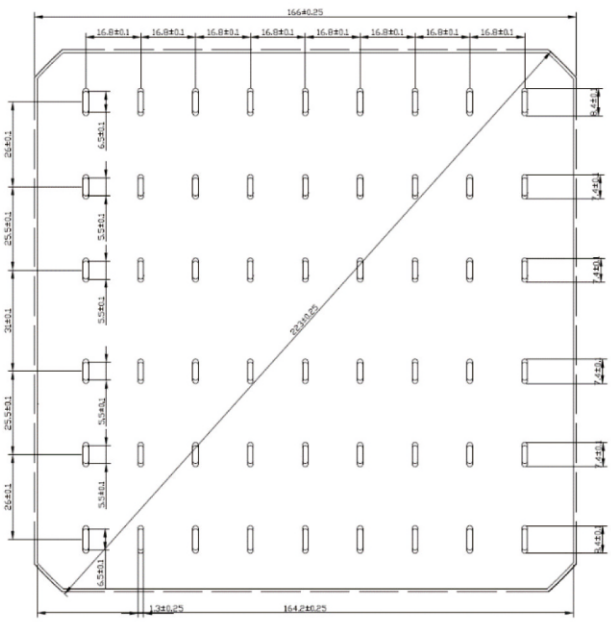
Uniform Color

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.





Dimension	166mmx166mm±0.25mm
Thickness(Si)	190μm ± 30μm
Front	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings
	9*0.1±0.03mm silver busbars
Back	Local aluminum back-surface field
	1.3±0.25mm（sliver）discontinuous soldering pads

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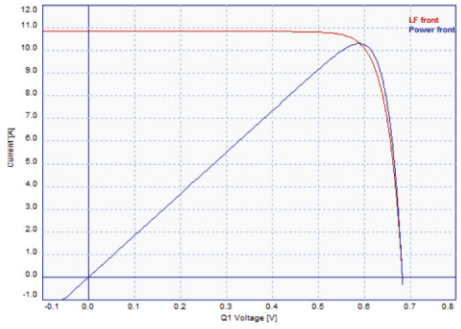
TEMPERATURE COEFFICIENTS

Current Temperature Coefficient	α (Isc)	0.07 %/°K
Voltage Temperature Coefficient	β (Voc)	-0.36 %/°K
Power Temperature Coefficient	γ (Pmax)	-0.38 %/°K

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



ELECTRICAL PERFORMANCE

Efficiency Code		229	228	227	226	225	224
Efficiency	Eff (%)	22. 90	22. 80	22. 70	22. 60	22. 50	22. 40
Power	Ppm(W)	6.28	6.25	6.22	6.20	6.17	6.14
Max. Power Current	Ipm(A)	10.363	10.550	10.544	10.529	10.515	10.502
Short Circuit Current	Isc(A)	11.139	11.124	11.119	11.103	11.089	11.077
Max. Power Voltage	Vpm(V)	0.5943	0.5925	0.5902	0.5885	0.5866	0.5848
Open Circuit Voltage	Voc(V)	0.6817	0.6803	0.6784	0.6770	0.6761	0.6746

Efficiency Code		223	222	221	220	219	218	216
Efficiency	Eff (%)	22. 30	22. 20	22. 10	22. 00	21. 90	21. 80	21. 60
Power	Ppm(W)	6.11	6.09	6.06	6.03	6.00	5.98	5.92
Max. Power Current	Ipm(A)	10.488	10.485	10.472	10.464	10.451	10.437	10.373
Short Circuit Current	Isc(A)	11.060	11.046	11.033	11.025	11.008	10.989	10.944
Max. Power Voltage	Vpm(V)	0.5829	0.5805	0.5786	0.5764	0.5745	0.5726	0.5709
Open Circuit Voltage	Voc(V)	0.6732	0.6699	0.6683	0.6662	0.6641	0.6619	0.6609

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.

YIXING JS SOLAR CO.,LTD
No.501 Lvyuan Road,Industry Park of Environmental Protection and
Science & Technology,Yixing,Jiangsu,China