

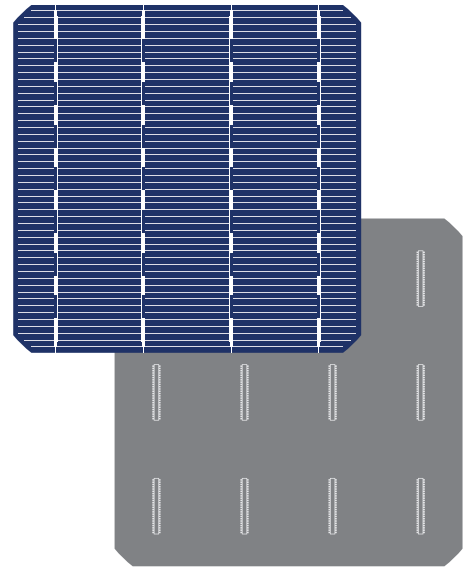
# MONO-CRYSTALLINE SOLAR CELL

ECS-156.75mm X 156.75mm



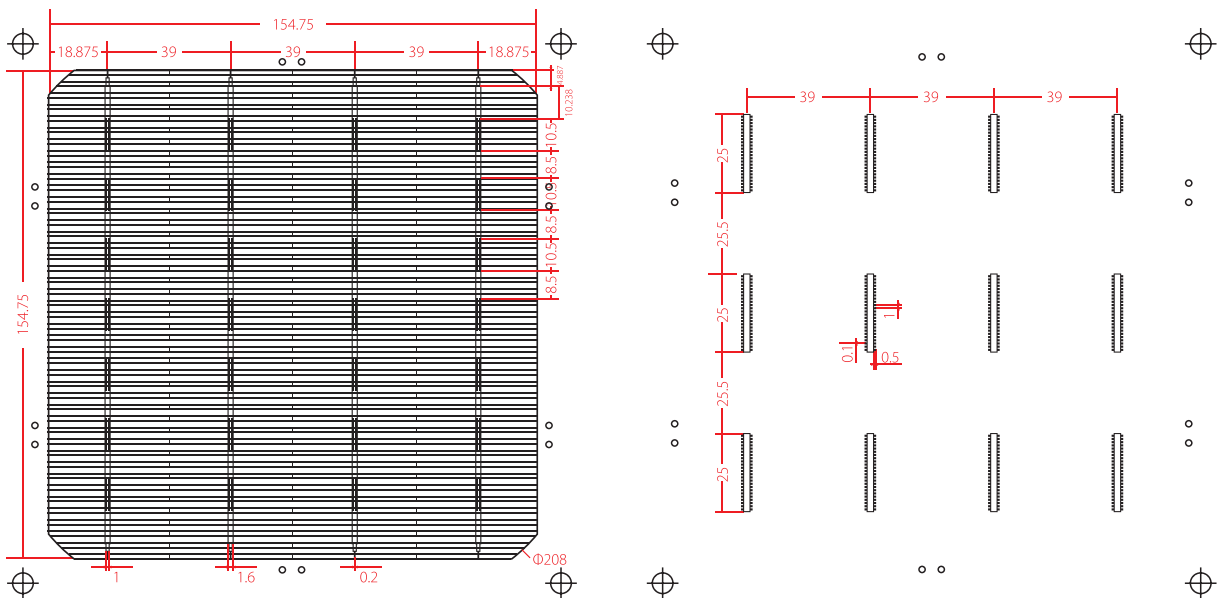
## Mechanical Characteristics

Format	156.75mm X 156.75mm
Thickness	200um ± 20um
Front (-)	1.0 mm silver segmented busbar Silicon Nitride antireflection coating
Back (+)	2.0mm segmented soldering silver pads Back surface field (aluminium)



## Features

- Extremely low power loss
- Low fragmentation rate
- High quality appearance & color uniformity
- Excellent weldability
- PID resistance
- Outstanding power output even in low light
- Stable performance for rooftop or underground solar system



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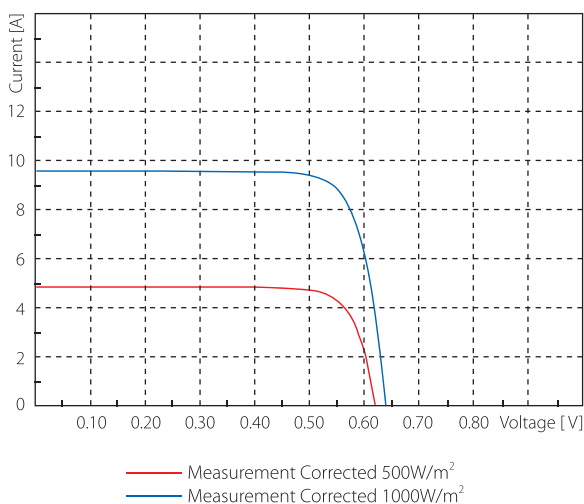
## Electrical Characteristics under STC\*

Efficiency (%)	20.2	20	19.8	19.6	19.4	19.2	19
Power - Ppm (W)	4.93	4.89	4.84	4.79	4.74	4.69	4.64
Current at Maximum Power - Imp (A)	9.013	8.956	8.881	8.805	8.713	8.637	8.561
Short Circuit Current - Isc (A)	9.55	9.476	9.411	9.335	9.265	9.194	9.121
Voltage at Maximum Power - Vmp (V)	0.547	0.546	0.545	0.544	0.544	0.543	0.542
Open Circuit Voltage - Voc (V)	0.643	0.642	0.641	0.64	0.639	0.638	0.637

## Temperature Characteristics

Current Temperature Coefficient - Isc	TKCurrent: +0.02 % / °C
Voltage Temperature Coefficient - Voc	TKVoltage: -0.32 % / °C
Power Temperature Coefficient - Pmax	TKPower: -0.45 % / °C

## IV Curve



## Spectral Response (SR)

