

# POLY-CRYSTALLINE SOLAR CELL

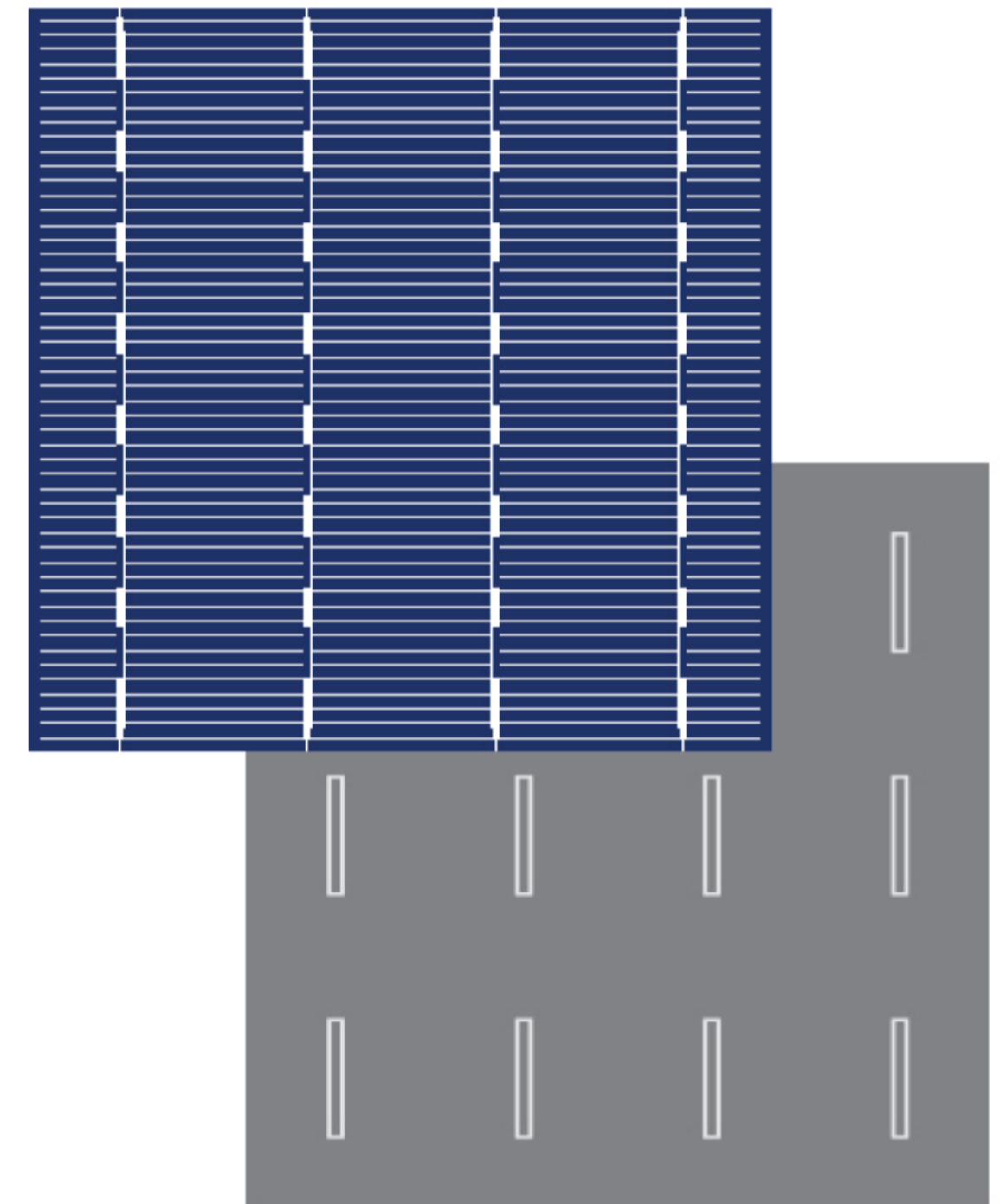
156.75mm × 156.75mm



**GREENERGY POWER**  
SOLAR TECHNOLOGY

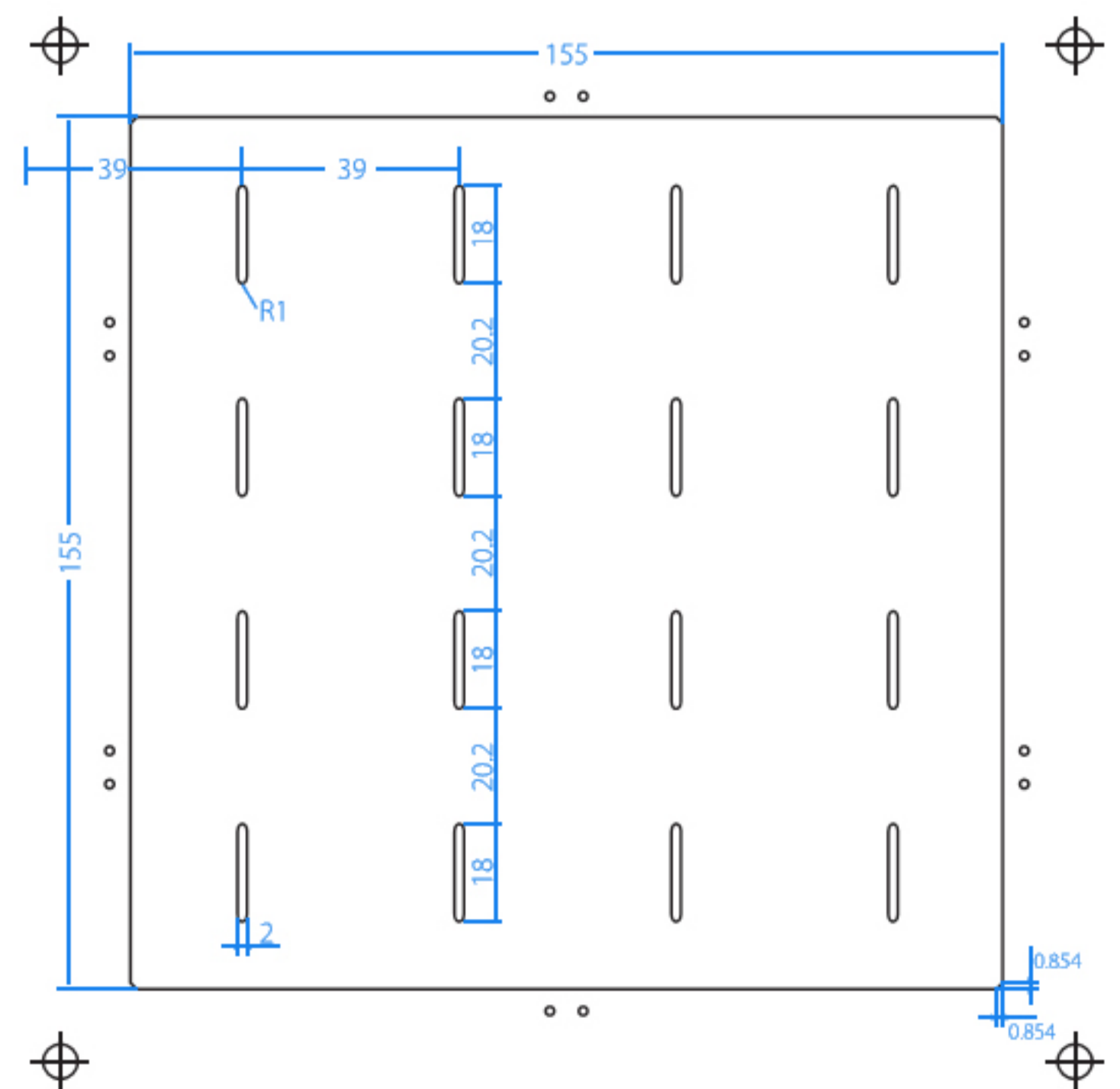
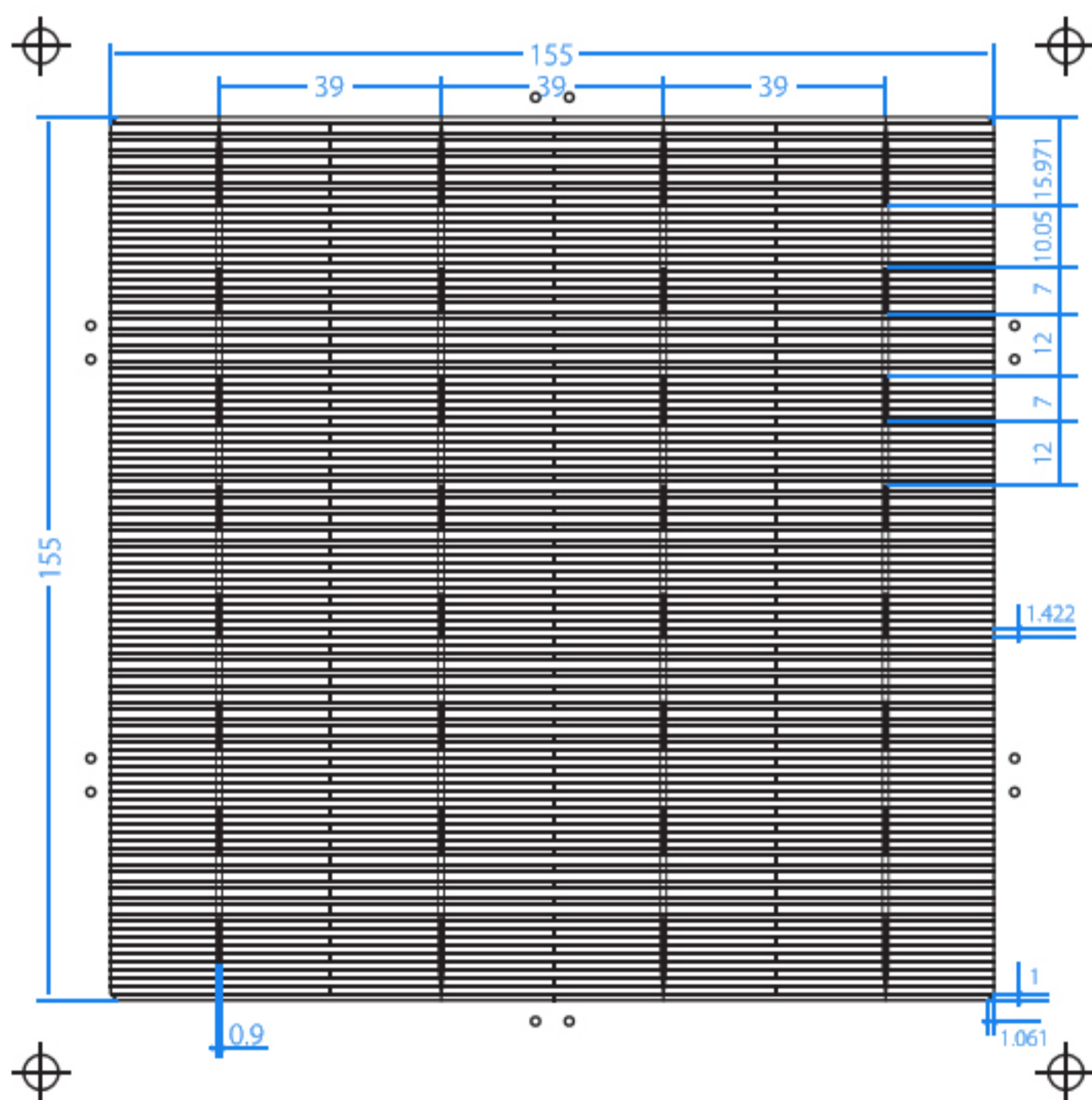
## Mechanical Characteristics

Format	156.75mm X 156.75mm
Thickness	200um ± 20um
Front (-)	0.9 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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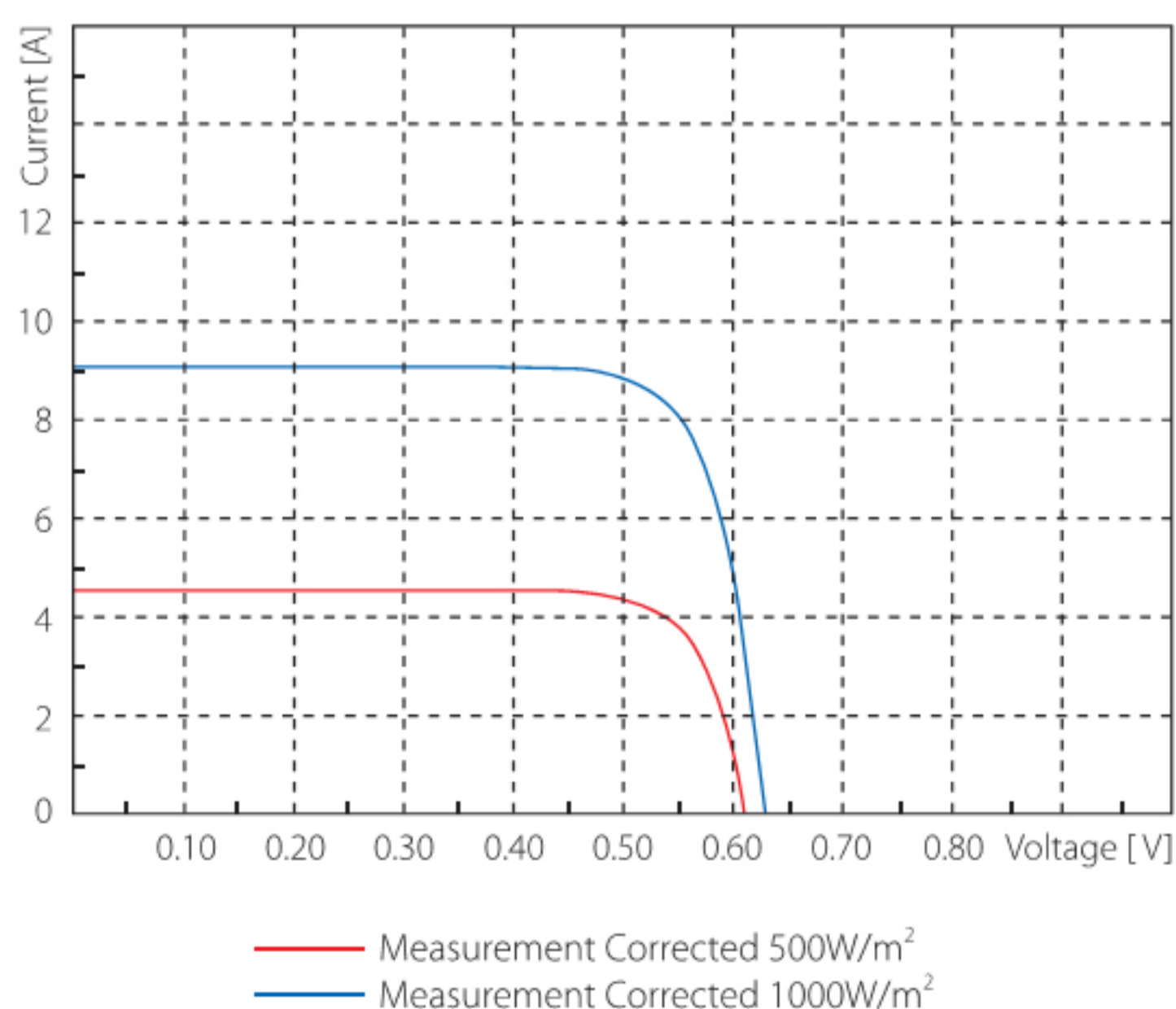
## Electrical Characteristics under STC\*

Efficiency (%)	18.8	18.6	18.4	18.2	18	17.8	17.6
Power - Ppm (W)	4.619	4.570	4.521	4.472	4.423	4.373	4.324
Current at Maximum Power - Imp (A)	8.507	8.432	8.372	8.312	8.267	8.175	8.175
Short Circuit Current - Isc (A)	9.017	8.996	8.875	8.804	8.753	8.693	8.632
Voltage at Maximum Power - Vmp (V)	0.543	0.542	0.54	0.538	0.535	0.535	0.529
Open Circuit Voltage - Voc (V)	0.637	0.636	0.636	0.635	0.635	0.634	0.634

## 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)

