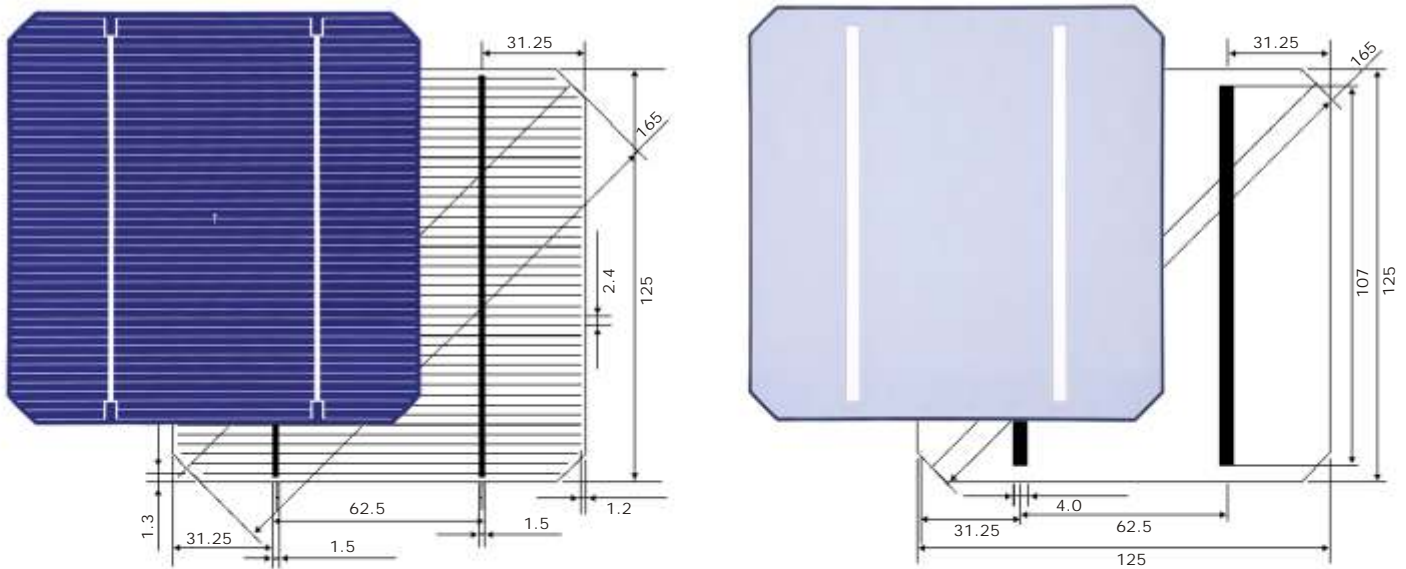


## 5" Mono-Crystalline Solar Cell 125mm x 125mm ± 0.5mm (square)



### FEATURES

- 17.0% Plus cell efficiency.
- High quality mono-crystalline wafers are used to ensure high cell efficiency.
- Proprietary texturing process and silicon nitride anti-reflective coating gives high a absorbance.
- Calibration by Fraunhofer IEC cell.
- 100% check on optical and Electrical Parameters.
- Total control on operational parameters ensure consistent cell performance.
- All cells are electrically matched through high grade electrical sorter to ensure the best module power output.

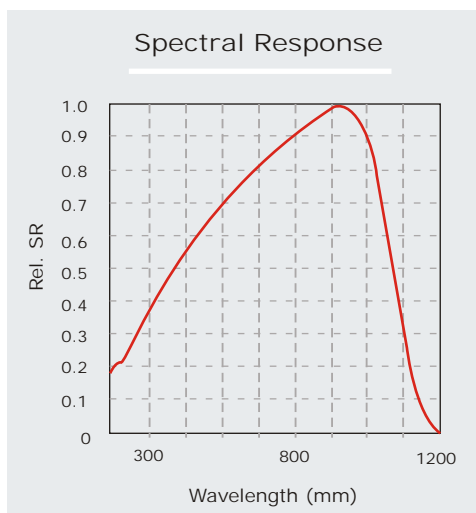
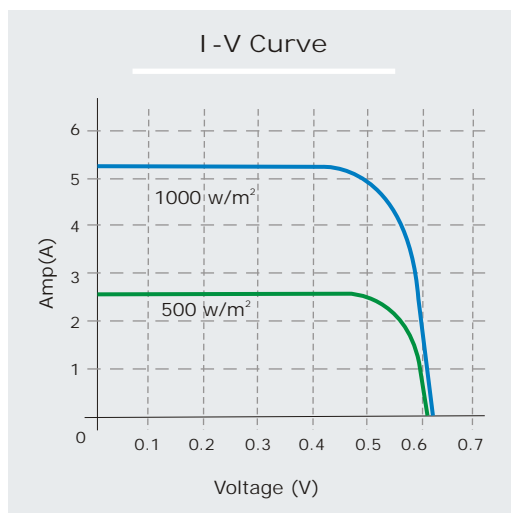
### MECHANICAL DATA & DESIGN

Dimension:	125mm X 125mm ± 0.5mm(square)
Diagonal :	165 mm ± 1 mm
Area:	154.83 square cm
Weight:	7gm to 9gm
Thickness:	165µm to 230µm
Front (-):	Silver bus bars silicon nitride anti reflection coating, blue / purple
Back (+):	Full surface Aluminum back surface field 4.0 mm wide (silver/aluminum) Continuous soldering pads.

## Electrical Specification

Model	Efficiency (Eff%)	Power(Pmax)	Open Circuit Voltage(Voc)	Short Circuit Current(Isc)	Maximum Current (Imax)	Maximum Voltage (Vmax)
125-WS1	17.25-17.50	2.68	0.620	5.50	5.18	0.517
125-WS2	17.00-17.25	2.65	0.618	5.46	5.13	0.516
125-WS3	16.75-17.00	2.60	0.618	5.43	5.05	0.515
125-WS4	16.50-16.75	2.57	0.616	5.40	5.00	0.514
125-WS5	16.25-16.50	2.53	0.614	5.38	4.94	0.512
125-WS6	16.00-16.25	2.49	0.610	5.35	4.90	0.508
125-WS7	15.75-16.00	2.45	0.610	5.32	4.90	0.500
125-WS8	15.50-15.75	2.41	0.605	5.30	4.87	0.495
125-WS9	15.25-15.50	2.37	0.600	5.28	4.84	0.490
125-WS10	15.00-15.25	2.33	0.600	5.25	4.75	4.490

## Product Characteristics



## Temperature Coefficients

Coefficient of Current	$\alpha$	0.09%/°C
Coefficient of Voltage	$\beta$	-0.34%/°C
Coefficient of Power	$\gamma$	-0.37%/°C

## Testing Condition

Irradiance	1000W/m2 calibrated by Fraunhofer standard cell
Light Source	Xenon short arc lamp with AM 1.5 Filter
Testing Temperature	25°C

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