

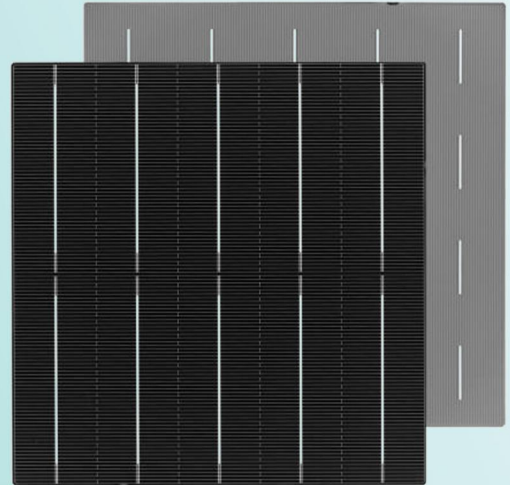


**WISEBIZ  
LIMITED**

# WB-158.75-5

## G1

### Monocrystalline Solar Cell



### Features

- High-efficiency solar cells with an anisotropically etched surface
- Silicon nitride anti-reflection coating
- Silver front contact bars and full surface aluminum back contact field

### Performance and Quality

- Reverse current and shunt resistance screening
- Stringent criterial for color uniformity and appearance
- Precision cell efficiency sorting procedures
- 100% in-line inspection for optical
- **100% PID Resistance**

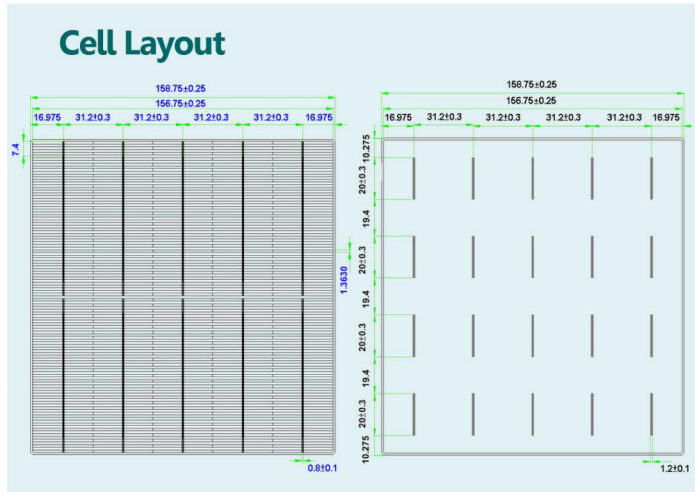
### Packaging

- Minimize the risk of broken cells with special design
- Label with product information

### Physical Characteristics

Dimension	158.75 mm x 158.75 mm ± 0.25 mm
Diagonal	223 mm ± 1.0 mm
Thickness (si)	170 μm - 10 / + 20 μm 180 μm ± 20 μm
Front Side (-)	Blue silicon nitride anti-reflection coating 5 silver busbar (0.8±0.1mm), 116 fingers
Back Side (+)	Full-Surface aluminum BSF, 5x4 soldering pads 1.2mm±0.1mm wide Silver/Aluminum busbar

### Cell Layout





### Electrical Characteristics

Class	Efficiency Range (%)	Rated Power (Wp)	*Maximum Power Current (A)	*Short Circuit Current (A)	*Maximum Power Voltage (V)	*Open Circuit Voltage (V)
215	21.4-21.5	5.41	9.556	10.071	0.567	0.662
216	21.5-21.6	5.44	9.582	10.100	0.568	0.663
217	21.6-21.7	5.46	9.593	10.114	0.570	0.664
218	21.7-21.8	5.49	9.602	10.132	0.572	0.666
219	21.8-21.9	5.51	9.615	10.146	0.574	0.668
220	21.9-22.0	5.54	9.641	10.159	0.575	0.670
221	22.0-22.1	5.56	9.652	10.172	0.577	0.671
222	22.1-22.2	5.59	9.662	10.182	0.579	0.673
223	22.2-22.3	5.61	9.671	10.197	0.581	0.675

Test condition : 1000 W / m<sup>2</sup> , AM 1.5, 25°C Power measuring tolerance: ±1.5% rel.

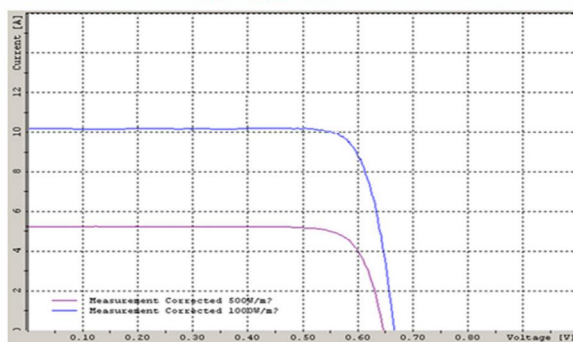
### Temperature coefficients

Current (%/K)	0.050
Voltage (%/K)	-0.320
Power (%/K)	-0.370

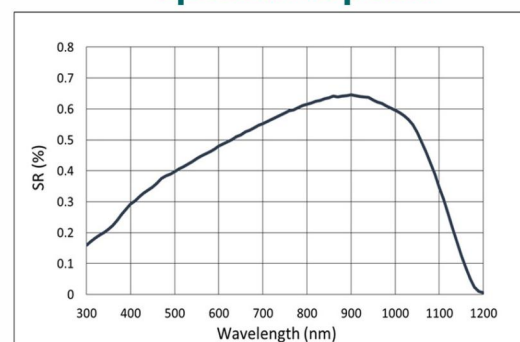
### Light Intensity Dependence

Intensity(W/m <sup>2</sup> )	V <sub>mpp</sub> (%)	I <sub>mpp</sub> (%)
1000	100.0	100.0
900	99.8	89.9
500	97.7	49.7
300	95.5	29.7
200	93.6	19.7

### IV-Curve



### Spectral Response



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