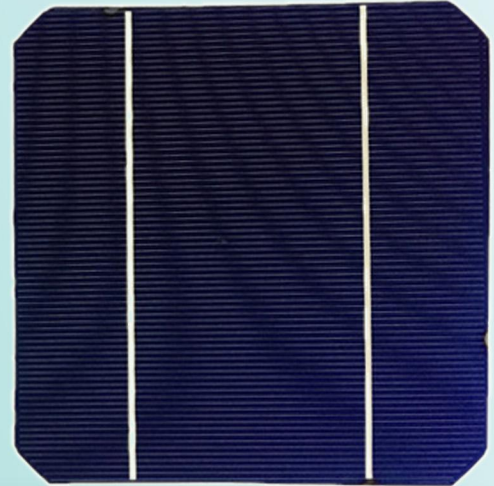




**WISEBIZ
LIMITED**

WB-M5-2

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

- Proper handling from incoming inspection through production, outgoing inspection and packaging
- 100% checked for reverse current and visual appearance
- Calibrated against Fraunhofer ISE
- RoHS compliance
- **100% PID Resistance**

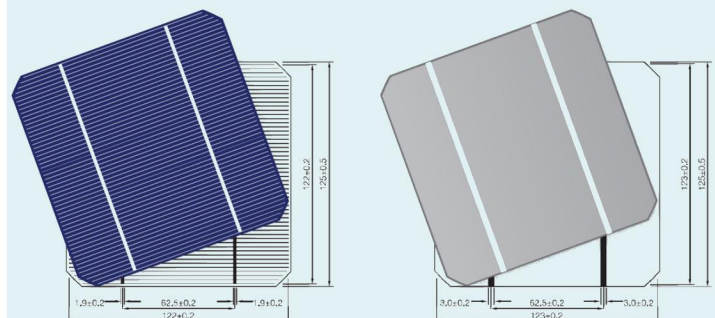
Packaging

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

Physical Characteristics

Dimension	125mm x 125mm ± 0.5 mm
Diameter	165mm ± 0.5 mm
Thickness (si)	200 μm ± 30 μm
Front Side (-)	Alkaline texturized surface with silicon nitride anti-reflection coating 1.4mm silver busbar
Back Side (+)	Aluminum back surface field 2.0mm wide 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)
200	≥20.0%	3.08	5.693	5.965	0.541	0.642
199	19.9-20.0	3.06	5.668	5.942	0.540	0.641
198	19.8-19.9	3.05	5.659	5.923	0.539	0.641
197	19.7-19.8	3.03	5.621	5.907	0.539	0.640
196	19.6-19.7	3.01	5.595	5.887	0.538	0.640
195	19.5-19.6	3.00	5.576	5.863	0.538	0.639
194	19.4-19.5	2.98	5.549	5.848	0.537	0.639
193	19.3-19.4	2.97	5.531	5.829	0.537	0.638
182	18.2-18.4	2.82	5.317	5.685	0.530	0.630

Test condition : 1000 W / m² , AM 1.5, 25°C Power measuring tolerance: ± 1.5% rel.

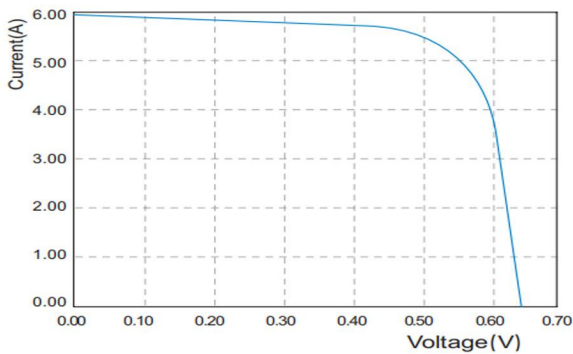
Temperature coefficients

Current (%/K)	0.043
Voltage (%/K)	-0.320
Power (%/K)	-0.420

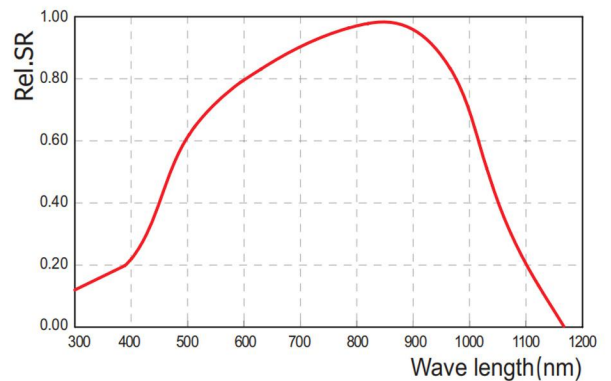
Light Intensity Dependence

Intensity(W/m ²)	V _{mpp} (%)	I _{mpp} (%)
1000	100.0	100.0
800	99.10	80.24
600	97.84	59.99
400	96.22	39.68
200	93.32	19.30

IV-Curve



Spectral Response



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