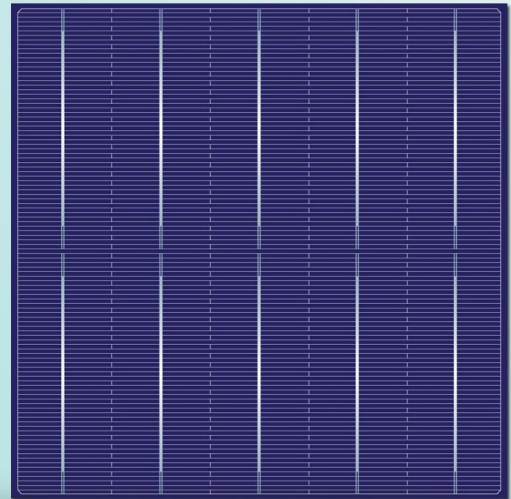




WB-P6-5

Polycrystalline 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**

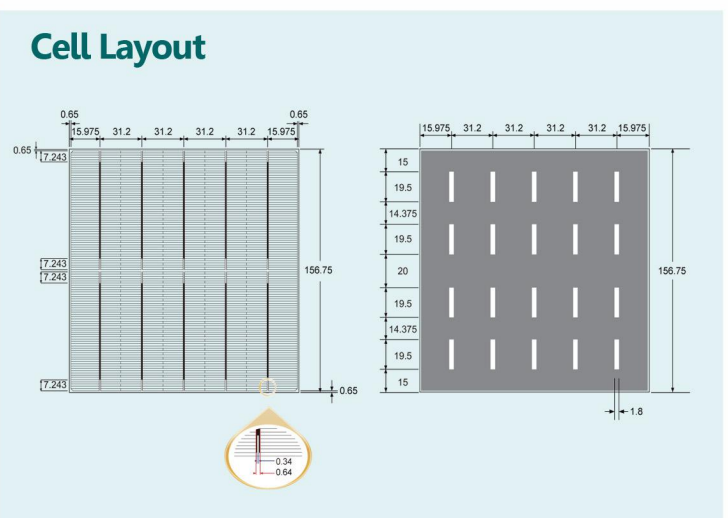
Packaging

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

Physical Characteristics

Dimension	156.75 mm x 156.75 mm ± 0.3 mm
Diagonal	210 mm ± 0.5 mm
Thickness (si)	180 μm - 20 / + 30 μm 200 μm ± 30 μm
Front Side (-)	Silicon nitride anti-reflection coating 0.64mm silver busbar
Back Side (+)	Full-surface aluminum back-surface field 1.8mm(silver /aluminum) discontinuous soldering pads

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)
187	18.7-18.8	4.595	8.563	9.034	0.539	0.634
188	18.8-18.9	4.619	8.590	9.059	0.540	0.635
189	18.9-19.0	4.644	8.617	9.086	0.541	0.635
190	19.0-19.1	4.668	8.635	9.102	0.542	0.637
191	19.1-19.2	4.693	8.664	9.126	0.543	0.637
192	19.2-19.3	4.718	8.689	9.150	0.544	0.639
193	19.3-19.4	4.742	8.714	9.175	0.546	0.640
194	19.4-19.5	4.767	8.738	9.199	0.547	0.641
195	19.5-19.6	4.791	8.763	9.223	0.548	0.643

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

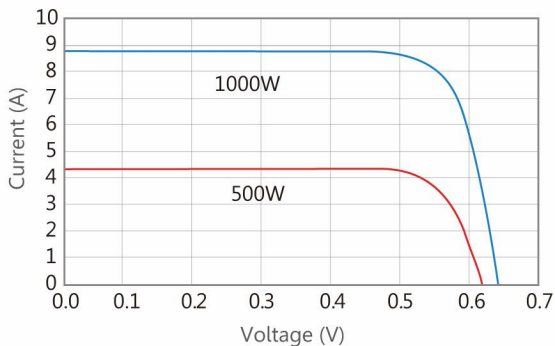
Temperature coefficients

Current (%/K)	0.0611
Voltage (%/K)	-0.3238
Power (%/K)	-0.3782

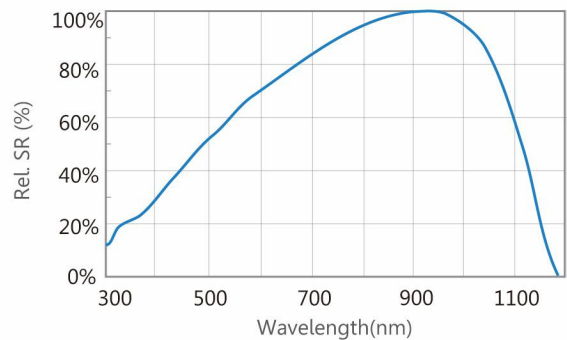
Light Intensity Dependence

Intensity(W/m ²)	V _{mpp} (%)	I _{mpp} (%)
1000	100.0	100.0
900	99.6	90.0
500	97.4	49.8
300	94.9	29.7
200	92.9	19.7

IV-Curve



Spectral Response



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