



WB-156.75SE-5

Monocrystalline PERC-SE 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**

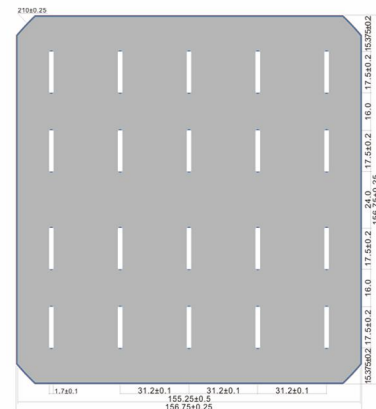
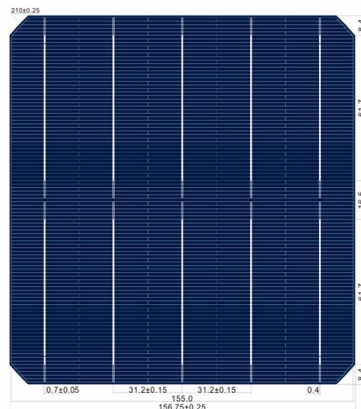
Packaging

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

Physical Characteristics

Dimension	156.75 mm x 156.75 mm ± 0.25 mm
Diagonal	210 mm ± 0.5 mm
Thickness (si)	180 μm (-15, +15) μm
Front Side (-)	Alkaline texturized surface with silicon nitride anti-reflection coating 0.7 mm silver busbar
Back Side (+)	Aluminum back surface field 1.8mm 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)
22.10	22.10-22.20	5.40	9.199	9.745	0.587	0.6865
22.00	22.00-22.10	5.38	9.1887	9.722	0.585	0.6855
21.90	21.90-22.00	5.35	9.1531	9.706	0.584	0.6854
21.80	21.80-21.90	5.33	9.1424	9.693	0.583	0.6830
21.70	21.70-21.80	5.30	9.1144	9.672	0.581	0.6815
21.60	21.60-21.70	5.28	9.1109	9.662	0.578	0.6875
21.50	21.50-21.60	5.25	9.1109	9.648	0.578	0.6875

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

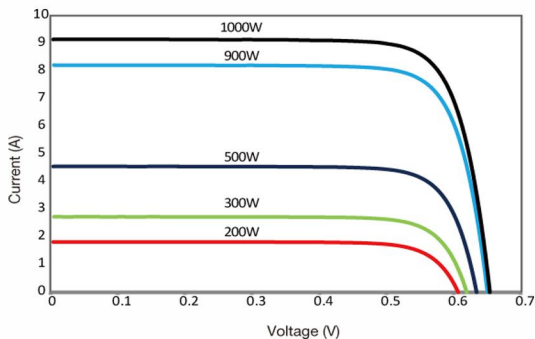
Temperature coefficients

Current (%/K)	0.0413
Voltage (%/K)	-0.300
Power (%/K)	-0.380

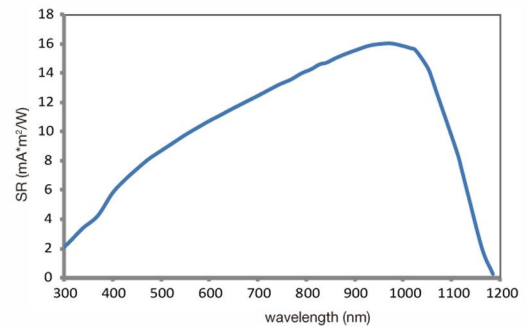
Light Intensity Dependence

Intensity(W/m ²)	V _{mpp} (%)	I _{mpp} (%)
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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