



# WB-158-5Bif

## Monocrystalline SE Bifacial 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**

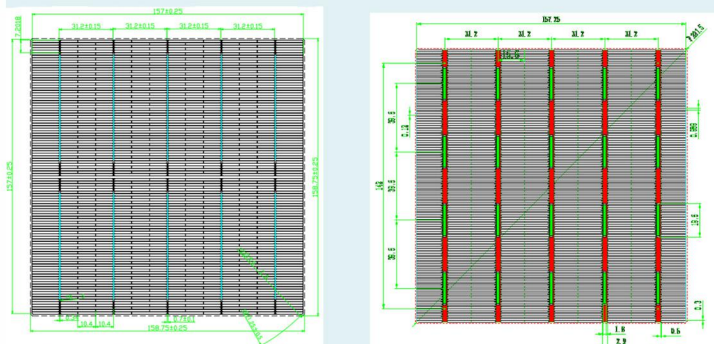
### Packaging

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

### Physical Characteristics

Dimension	158.75 mm x 158.75 mm ± 0.25 mm
Diagonal	223 mm ± 0.5 mm
Thickness (si)	190 μm ± 30 μm
Front Side (-)	5* 0.7 mm busbar (silver) 110 finger grids, Blue anti-reflection coating (silicon nitride)
Back Side (+)	Width of back electrode(Silver) 1.8mm. 5 busbars(aluminum), 160 finger grids(aluminum) Blue anti-reflecting coating(silicon nitride)

### 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)
22.5	22.5-22.4	5.66	9.805	10.310	0.578	0.680
22.4	22.4-22.3	5.64	9.778	10.293	0.577	0.679
22.3	22.3-22.2	5.62	9.745	10.277	0.577	0.678
22.2	22.2-22.1	5.59	9.731	10.269	0.576	0.677
22.1	22.1-22.0	5.57	9.717	10.245	0.574	0.677
22.0	22.0-21.9	5.54	9.695	10.226	0.572	0.675
21.9	21.9-21.8	5.52	9.661	10.203	0.569	0.675
21.8	21.8-21.7	5.49	9.663	10.196	0.567	0.672
21.7	21.7-21.6	5.47	9.632	10.171	0.568	0.671

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

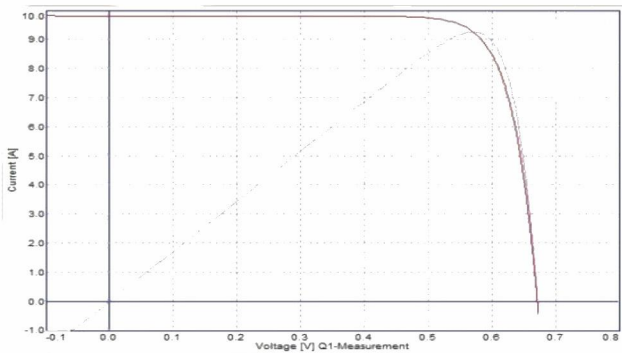
### Temperature coefficients

Current (%/K)	0.06
Voltage (%/K)	-0.360
Power (%/K)	-0.360

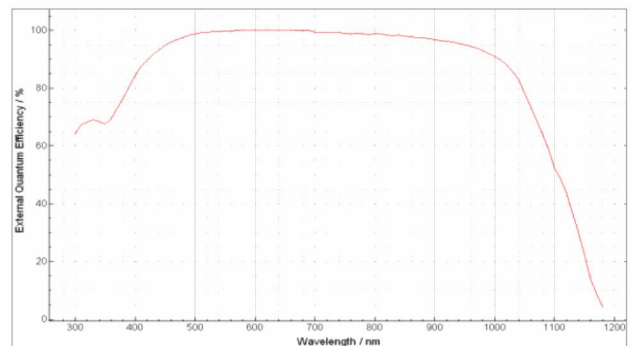
### Light Intensity Dependence

Intensity(W/m )	Vmpp(%)	Impp(%)
1000	100.0	100.0
900	99.6	90.3
800	99.1	80.3
600	98.8	60.2
400	96.2	40.3

### IV-Curve



### Spectral Response



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