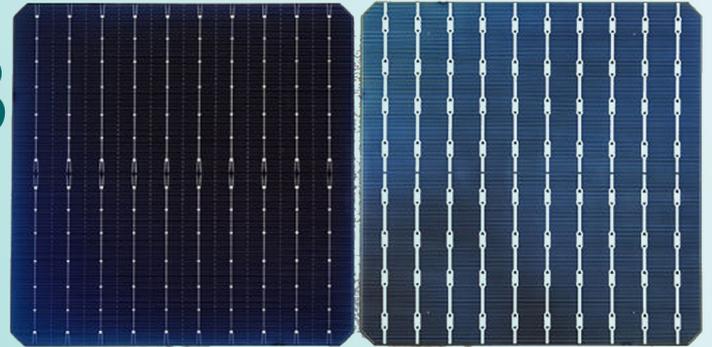




WB-182-10BB

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**

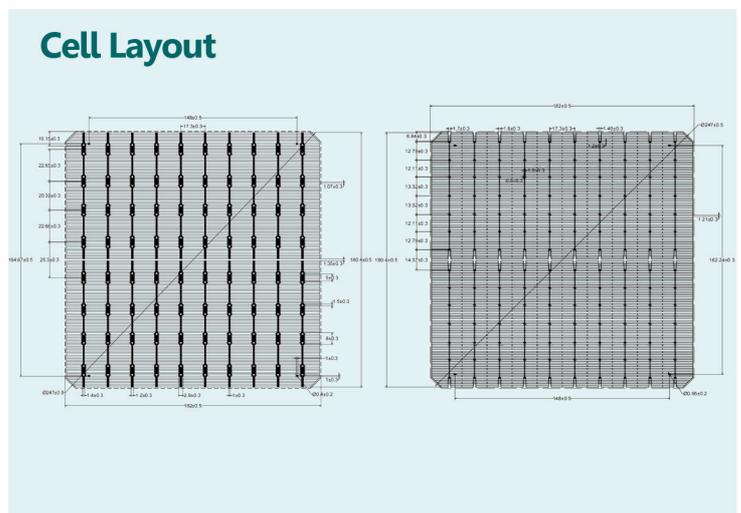
Packaging

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

Physical Characteristics

Dimension	182 mm x 182mm ± 0.5 mm
Diagonal	247 mm ± 0.5 mm
Thickness (si)	175 μm ± 17.5 μm
Front Side (-)	10* 0.06± 0.03 mm busbar (silver) 150 ± 15fingers, Blue(Dark blue) anti-reflection layer(SiNx)
Back Side (+)	Width of rear electrode(Silver) 1.2± 0.3mm, be covered with Aluminum 170± 17fingers

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)
182M-232	23.2	7.66	12.965	13.593	0.591	0.692
182M-231	23.1	7.63	12.924	13.584	0.590	0.691
182M-230	23.0	7.59	12.888	13.577	0.589	0.690
182M-229	22.9	7.56	12.850	13.568	0.588	0.689
182M-228	22.8	7.53	12.819	13.560	0.587	0.688
182M-227	22.7	7.49	12.785	13.554	0.586	0.687
182M-226	22.6	7.46	12.755	13.548	0.585	0.686
182M-225	22.5	7.43	12.729	13.541	0.584	0.684
182M-224	22.4	7.40	12.709	13.534	0.582	0.683
182M-223	22.3	7.36	12.685	13.528	0.580	0.681
182M-222	22.2	7.33	12.652	13.501	0.579	0.681

Rear side electrical performance parameter

Efficiency Code	Efficiency Range (%)	Maximum Power output Pmpp(W)	Maximum Voltage output Vmpp(V)	Maximum Current output Imp(A)	Open-circuit Voltage Voc(V)	Short-circuit Current Isc(A)
182M-160	>16	5.28	0.578	9.136	0.676	10.117
182M-157	15.5-16	5.18	0.572	9.068	0.675	10.056
182M-152	15-15.5	5.02	0.565	8.877	0.673	9.989
182M-148	<15	4.89	0.559	8.743	0.671	9.903

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

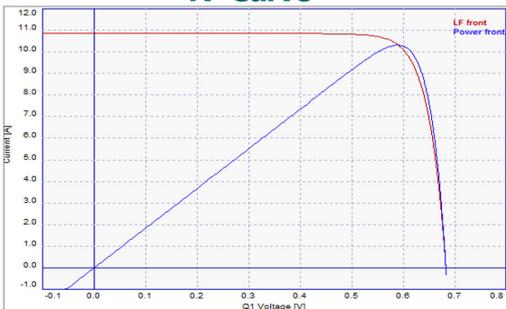
Temperature coefficients

Current (%/K)	0.07
Voltage (%/K)	-0.360
Power (%/K)	-0.380
Rsh≥50Ω, Irev2≤1.0A	

Light Intensity Dependence

Intensity(W/m)	Vmpp(%)	Imp(%)
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

