

TOPCon SOLAR CELL

MADE FOR SKYMAX series

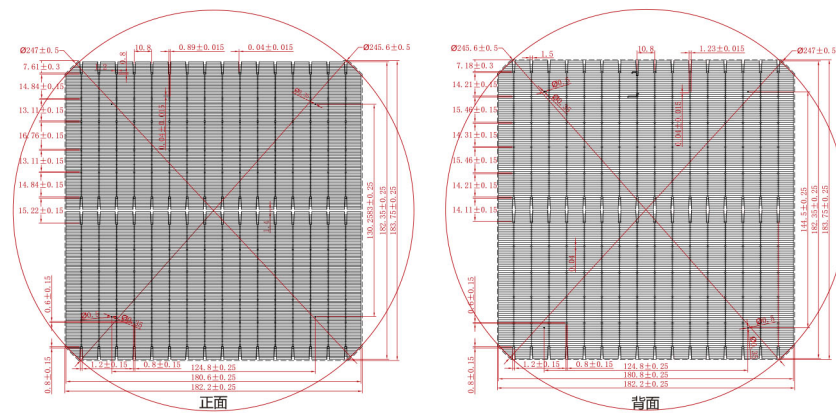
RM-183.75MTB16

183.75-N-Type Mono TOPCon Bifacial Solar Cell

Technical parameters

Product specification

Dimension	182mm*183.75mm±0.5mm, Diameter 247mm±0.5mm
Thickness	130μm±13μm (For thickness test, back up and press down to the non-grid area)
Front (-)	16 Bus-bars (Silver), 0.02±0.015mm wide Bus-bars, 12 PAD 160 Fingers (Silver/Aluminum) Blue silicon oxynitride anti-reflective coating (SiOxNy)
Back (+)	16 Bus-bars (Silver), 0.02±0.015mm wide Bus-bars, 12 PAD 200 Fingers (Silver) Blue silicon nitride coating (SiN)



Product Feature

- High conversion efficiency ≥ 25.0%, Bifaciality ≥ 85%
- Extremely low LID (Light Induced Degradation)
- High resistance of PID (Potential Induced Degradation)
- Weak light response(200W/m²) ≥ 97%
- Lower CTM loss, better for the high efficiency module

Electrical Performance (STC)

Eta. Grade (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
25.4	8.47	0.639	13.252	0.732	13.804	83.80
25.3	8.43	0.638	13.220	0.731	13.774	83.77
25.2	8.40	0.637	13.189	0.731	13.719	83.77
25.1	8.37	0.636	13.157	0.730	13.695	83.70
25.0	8.33	0.636	13.105	0.730	13.644	83.68
24.9	8.30	0.635	13.073	0.729	13.608	83.68
24.8	8.27	0.634	13.041	0.727	13.594	83.66
24.7	8.23	0.634	12.988	0.726	13.559	83.65
24.6	8.20	0.633	12.956	0.724	13.553	83.58
24.5	8.17	0.629	12.985	0.723	13.528	83.51
24.4	8.13	0.628	12.953	0.722	13.493	83.50
24.3	8.10	0.627	12.920	0.720	13.498	83.36
24.2	8.07	0.626	12.888	0.718	13.465	83.45
24.1	8.03	0.624	12.876	0.716	13.492	83.17
24.0	8.00	0.622	12.864	0.714	13.522	82.87

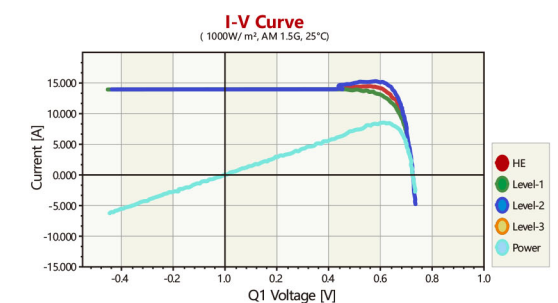
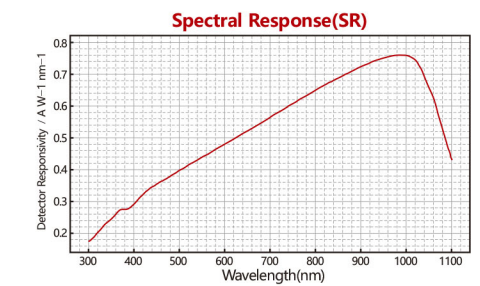
Standard Test Conditions: 1000W/m², AM1.5, 25°C

Temperature coefficient

Current Temperature Coefficient (%/K)	+0.045
Voltage Temperature Coefficient (%/K)	-0.25
Power Temperature Coefficient (%/K)	-0.30

Quality control

- Efficiency test accuracy is ±0.1%
- Automatic inspection of IV/EL/Appearance
- Stringent testing for material delivery, warehouse delivery and packaging
- Calibration Cell source to Fraunhofer ISE



Ronma Solar Group

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Comprehensive Products and System Certificates
IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupational Health and Safety Management System

*Disclaimer: The technical parameters contained in this technical parameter file may have slight deviations, and Ronma Solar does not guarantee their complete accuracy. Due to continuous technological innovation and product optimization, Ronma Solar has the right to adjust the information in this technical parameter file at any time without prior notice. When signing the contract, the customer should obtain the latest technical parameter documents and make them a binding part of the contract signed by both parties.