

TOPCon SOLAR CELL

MADE FOR SKYMAX series

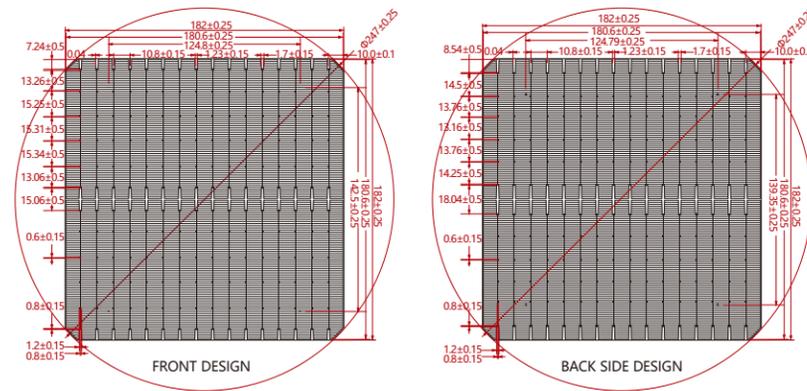
RM-182MTB16

182-N-Type Mono TOPCon Bifacial Solar Cell

Technical parameters

Product specification

- Dimension 182mm*182.2mm±0.25mm, Diameter 247mm±0.25mm
- Thickness 130μm±14μm (For thickness test, back up and press down to the non-grid area)
- Front (-) 16 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 12 PAD
160 Fingers (Silver/Aluminum)
Blue silicon oxynitride anti-reflective coating (SiOxNy)
- Back (+) 16 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 12 PAD
164 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	8.39	0.628	13.347	0.723	14.033	82.71
25.3	8.35	0.628	13.303	0.722	14.002	82.67
25.2	8.32	0.628	13.257	0.721	13.965	82.64
25.1	8.29	0.627	13.208	0.720	13.924	82.61
25.0	8.25	0.627	13.162	0.720	13.889	82.58
24.9	8.22	0.626	13.126	0.719	13.852	82.53
24.8	8.19	0.626	13.086	0.718	13.819	82.50
24.7	8.15	0.625	13.043	0.717	13.785	82.47
24.6	8.12	0.625	13.005	0.716	13.759	82.43
24.5	8.09	0.621	13.032	0.713	13.772	82.35
24.4	8.05	0.620	13.003	0.711	13.756	82.33
24.3	8.02	0.618	12.975	0.710	13.742	82.20
24.2	7.99	0.617	12.941	0.709	13.690	82.28
24.1	7.96	0.615	12.933	0.709	13.680	82.07
24.0	7.92	0.613	12.924	0.709	13.673	81.78

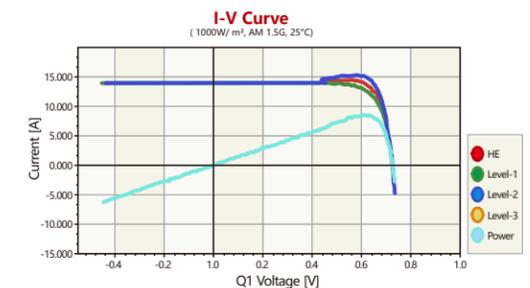
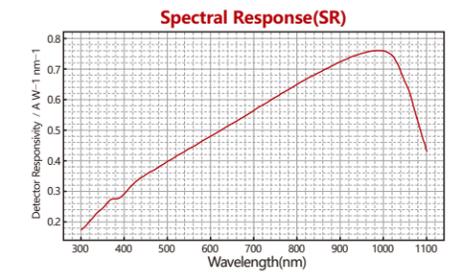
Standard Test Conditions: 1000W/m², AM1.5, 25°C

Temperature coefficient

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

Qualitycontrol

- 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.