

TOPCon SOLAR CELL

MADE FOR SKYMAX series

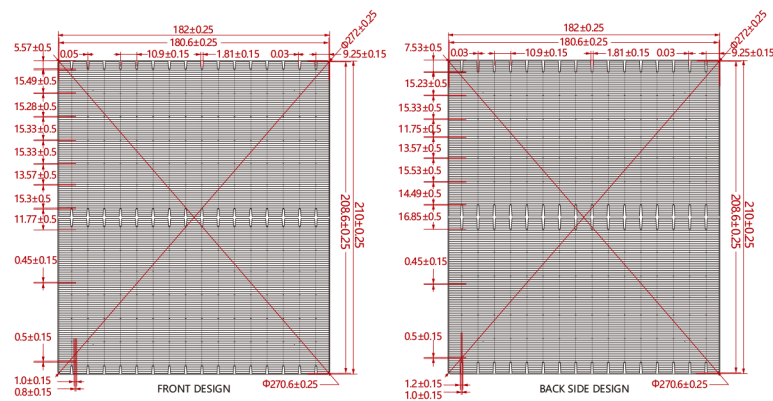
RM-210RMTB16

210R-N-Type Mono TOPCon Bifacial Solar Cell

Technical parameters

Product specification

- Dimension 182mm*210mm±0.25mm, Diameter 272mm±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, 14 PAD
168 Fingers (Silver/Aluminum)
Blue silicon oxynitride anti-reflective coating (SiOxNy)
- Back (+) 16 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 14 PAD
174 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	9.70	0.625	15.508	0.721	16.154	83.25
25.3	9.66	0.625	15.470	0.721	16.131	83.11
25.2	9.62	0.624	15.428	0.720	16.108	82.98
25.1	9.58	0.623	15.394	0.719	16.089	82.82
25.0	9.55	0.622	15.350	0.719	16.048	82.78
24.9	9.51	0.621	15.306	0.718	16.021	82.68
24.8	9.47	0.621	15.252	0.717	15.996	82.58
24.7	9.43	0.620	15.208	0.716	15.972	82.46
24.6	9.39	0.619	15.165	0.715	15.951	82.34
24.5	9.36	0.619	15.123	0.714	15.935	82.23
24.4	9.32	0.618	15.076	0.713	15.920	82.11
24.3	9.28	0.617	15.039	0.712	15.903	81.99
24.2	9.24	0.616	15.001	0.711	15.876	81.86
24.1	9.20	0.615	14.964	0.710	15.856	81.74
24.0	9.16	0.614	14.926	0.709	15.837	81.62

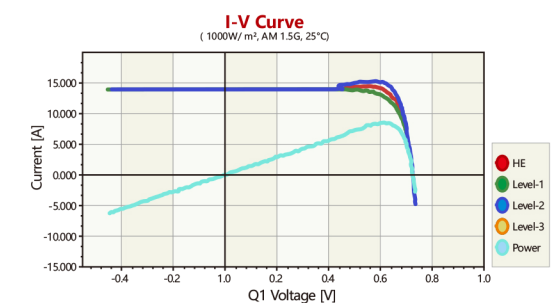
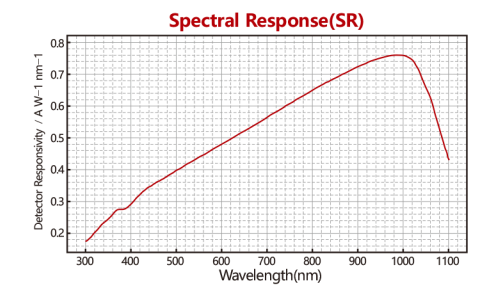
Standard Test Conditions: 1000W/m², AM1.5, 25°C

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



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



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