

TOPCon SOLAR CELL

MADE FOR SKYMAX series

RM-210MTB18

210-N-Type Mono TOPCon Bifacial Solar Cell

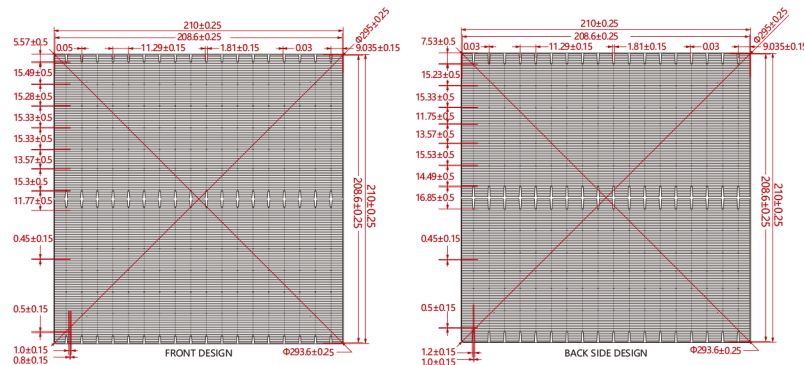
Technical parameters

Product specification

Dimension 210mm*210mm±0.25mm, Diameter 295mm±0.25mm
 Thickness 130μm±14μm (For thickness test, back up and press down to the non-grid area)

Front (-) 18 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 14 PAD
 168 Fingers (Silver/Aluminum)
 Blue silicon oxynitride anti-reflective coating (SiOxNy)

Back (+) 18 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



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Electrical Performance (STC)

Eta. Grade (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
25.4	11.20	0.625	17.909	0.721	18.664	83.21
25.3	11.16	0.625	17.864	0.721	18.648	83.02
25.2	11.11	0.624	17.817	0.720	18.649	82.77
25.1	11.07	0.623	17.777	0.719	18.633	82.58
25.0	11.02	0.622	17.726	0.719	18.600	82.48
24.9	10.98	0.621	17.675	0.718	18.573	82.36
24.8	10.94	0.621	17.613	0.717	18.548	82.24
24.7	10.89	0.620	17.562	0.716	18.520	82.13
24.6	10.85	0.619	17.513	0.715	18.495	82.01
24.5	10.80	0.619	17.464	0.714	18.478	81.89
24.4	10.76	0.618	17.410	0.713	18.461	81.76
24.3	10.72	0.617	17.367	0.712	18.441	81.64
24.2	10.67	0.616	17.323	0.711	18.412	81.52
24.1	10.63	0.615	17.280	0.710	18.389	81.39
24.0	10.58	0.614	17.236	0.709	18.360	81.30

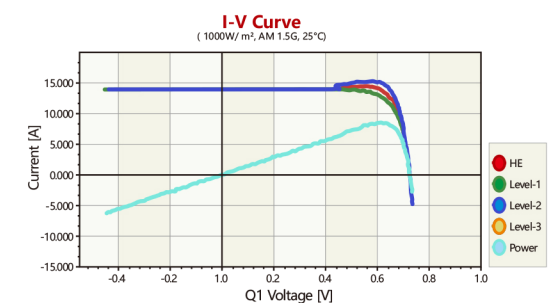
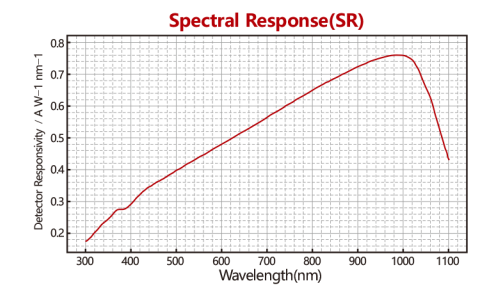
Standard Test Conditions: 1000W/m², AM1.5, 25°C

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



*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.