

TOPCon SOLAR CELL

MADE FOR SKYMAX series

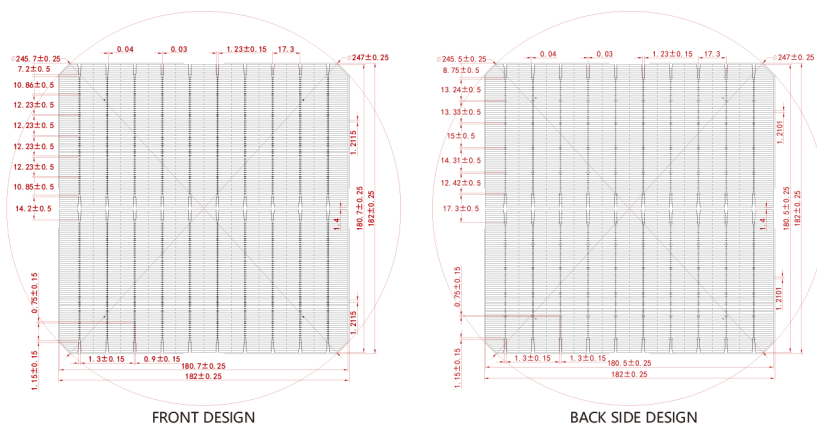
RM-182M10

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 (-) 10 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 14 PAD
150 Fingers (Silver/Aluminum)
Blue silicon oxynitride anti-reflective coating (SiOxNy)
- Back (+) 10 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 14 PAD
150 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	8.38	0.616	13.606	0.717	14.183	82.42
25.3	8.35	0.615	13.577	0.716	14.148	82.43
25.2	8.32	0.614	13.553	0.715	14.113	82.47
25.1	8.29	0.613	13.518	0.714	14.078	82.44
25.0	8.25	0.612	13.475	0.713	14.035	82.41
24.9	8.22	0.611	13.440	0.712	14.000	82.39
24.8	8.19	0.611	13.405	0.712	13.965	82.37
24.7	8.16	0.610	13.370	0.711	13.930	82.34
24.6	8.12	0.609	13.335	0.710	13.895	82.32
24.5	8.09	0.608	13.300	0.709	13.860	82.29
24.4	8.06	0.607	13.265	0.708	13.825	82.27
24.3	8.02	0.607	13.230	0.708	13.790	82.24
24.2	7.99	0.606	13.195	0.707	13.755	82.22
24.1	7.96	0.605	13.155	0.706	13.715	82.20
24.0	7.92	0.604	13.115	0.705	13.675	82.17

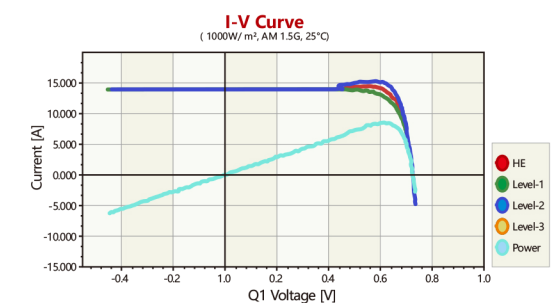
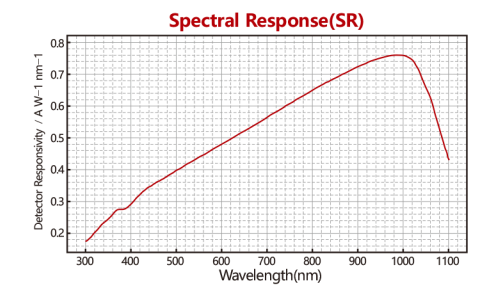
Standard Test Conditions: 1000W/m², AM1.5, 25°C

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