

TOPCon SOLAR CELL

MADE FOR SKYMAX series

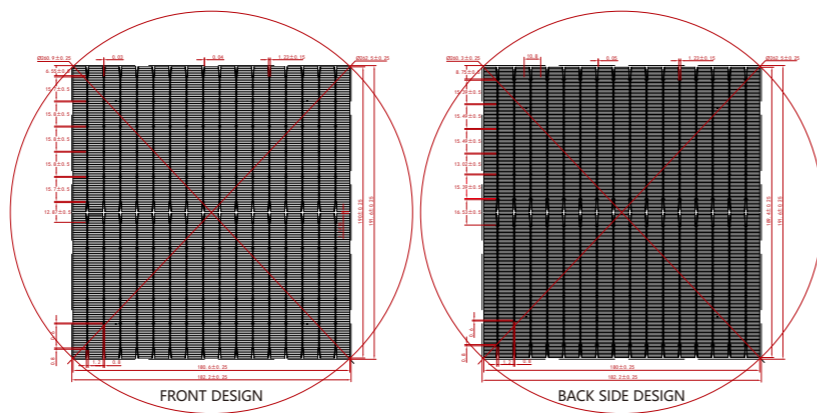
RM-192RMTB16

192R-N-Type Mono TOPCon Bifacial Solar Cell

Technical parameters

Product specification

Dimension	182mm*191.6mm±0.25mm, Diameter 262.5mm±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 168 Fingers (Silver/Aluminum) Blue silicon oxynitride anti-reflective coating (SiOxNy)
Back (+)	16 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 12 PAD 210 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	8.85	0.626	14.136	0.725	14.442	84.51
25.3	8.81	0.625	14.102	0.724	14.431	84.36
25.2	8.78	0.624	14.069	0.723	14.418	84.22
25.1	8.74	0.623	14.036	0.722	14.404	84.08
25.0	8.71	0.622	14.002	0.721	14.412	83.84
24.9	8.68	0.621	13.969	0.720	14.399	83.70
24.8	8.64	0.619	13.958	0.719	14.387	83.56
24.7	8.61	0.618	13.924	0.718	14.374	83.42
24.6	8.57	0.616	13.913	0.717	14.361	83.28
24.5	8.54	0.615	13.879	0.716	14.348	83.13
24.4	8.50	0.613	13.867	0.715	14.335	82.99
24.3	8.47	0.611	13.855	0.713	14.322	82.85
24.2	8.43	0.610	13.821	0.712	14.309	82.70
24.1	8.40	0.608	13.809	0.711	14.297	82.56
24.0	8.36	0.607	13.774	0.710	14.284	82.41

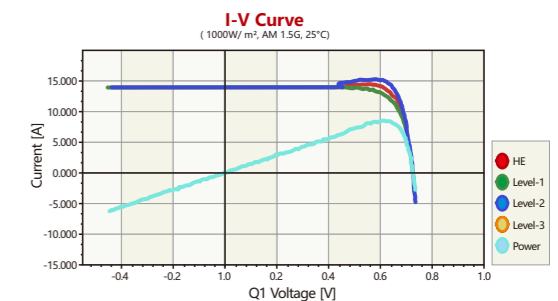
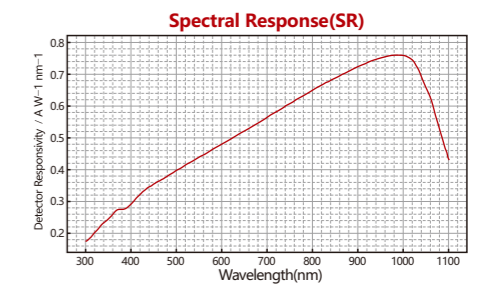
Standard Test Conditions: 1000W/m², AM1.5, 25°C

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.