

# TOPCon SOLAR CELL

## MADE FOR SKYMAX series

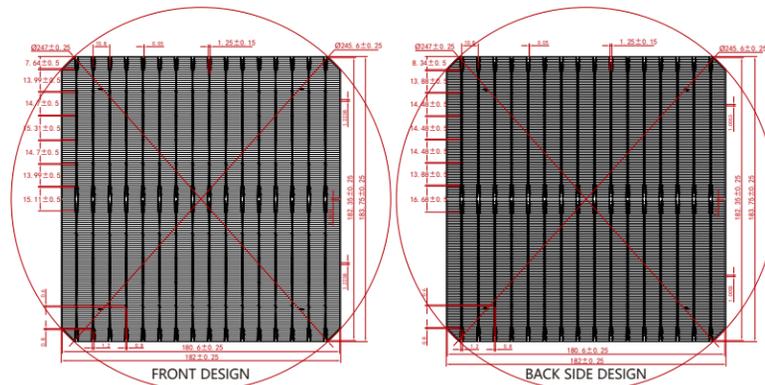
# RM-183.75MTB16

183.75-N-Type Mono TOPCon Bifacial Solar Cell

### Technical parameters

#### Product specification

Dimension	182mm*183.75mm±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 150 Fingers (Silver/Aluminum) Blue silicon oxynitride anti-reflective coating (SiOxNy)
Back (+)	16 Bus-bars (Silver), 0.03±0.015mm wide Bus-bars, 12 PAD 182 Fingers (Silver) Blue silicon nitride coating (SiN)



### Product Feature

- High conversion efficiency  $\geq 25.0\%$ , Bifaciality  $\geq 85\%$
- Extremely low LID (Light Induced Degradation)
- High resistance of PID (Potential Induced Degradation)
- Weak light response(200W/m<sup>2</sup>)  $\geq 97\%$
- 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	8.46	0.628	13.619	0.723	14.033	83.38
25.3	8.43	0.627	13.588	0.722	14.002	83.35
25.2	8.39	0.627	13.563	0.721	13.965	83.36
25.1	8.36	0.626	13.527	0.720	13.924	83.38
25.0	8.33	0.626	13.511	0.720	13.889	83.26
24.9	8.29	0.625	13.477	0.719	13.852	83.27
24.8	8.26	0.624	13.446	0.718	13.819	83.25
24.7	8.23	0.624	13.432	0.717	13.785	83.23
24.6	8.19	0.623	13.413	0.716	13.759	83.17
24.5	8.16	0.623	13.106	0.713	13.772	83.10
24.4	8.13	0.619	13.128	0.711	13.756	83.09
24.3	8.09	0.619	13.083	0.710	13.742	82.95
24.2	8.06	0.618	13.040	0.709	13.690	83.04
24.1	8.03	0.617	13.003	0.709	13.680	82.75
24.0	7.99	0.616	12.972	0.709	13.673	82.45

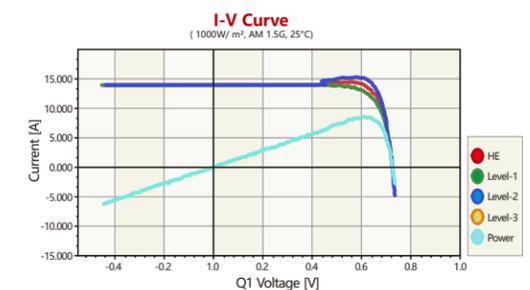
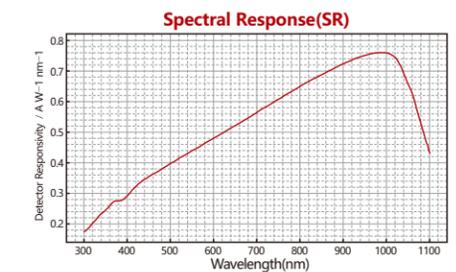
Standard Test Conditions: 1000W/m<sup>2</sup>, AM1.5, 25°C

### 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  $\pm 0.1\%$
- 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



**Ronma Solar Group**

Web: [www.ronmasolar.com](http://www.ronmasolar.com)  
E-mail: [info@ronmasolar.com](mailto:info@ronmasolar.com)

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