

PERC+SE+BI SOLAR CELL

MADE FOR SKYMAX series

RM-182M10

182 Mono PERC Bifacial SE Solar Cell

Technical parameters

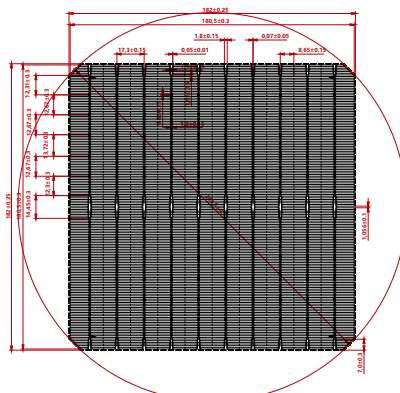
Product specification

Dimension	182mm*182mm±0.25mm, Diameter 247mm±0.25mm
Thickness	160μm±30μm (Back side up, press to no grid line test)
Front (-)	10 Bus-bars(Silver), 0.05±0.02mm 168 finger grids, Blue anti-reflecting coating(silicon nitride)
Back (+)	10 Bus-bars(Silver), width of back electrode 1.3±0.2mm, 180 finger grids(Al)

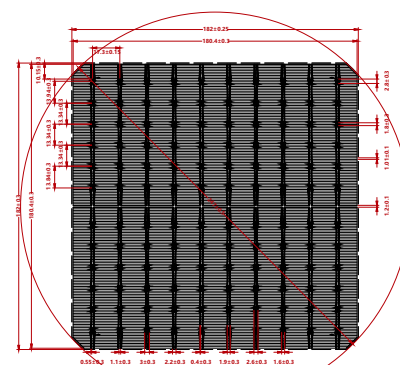
Temperature coefficient

TkVoltage	-0.36 %/K
TkCurrent	+0.04%/K
TkPower	-0.38%/K

Product Appearance



FRONT DESIGN



BACK SIDE DESIGN



Electrical performance parameter

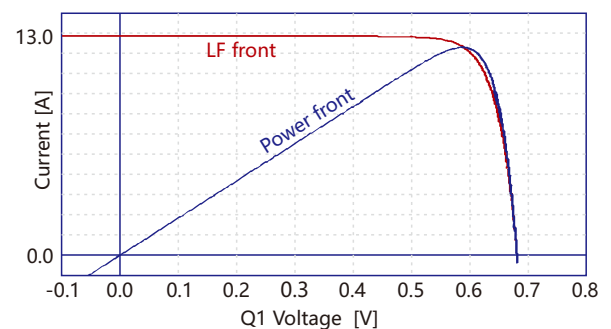
Eta (%)	Pmpp (W)	Umpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
23.4	7.73	0.614	12.583	0.691	13.608	82.16
23.3	7.69	0.613	12.539	0.690	13.583	82.05
23.2	7.66	0.612	12.526	0.689	13.568	81.94
23.1	7.63	0.611	12.495	0.688	13.551	81.84
23.0	7.59	0.611	12.426	0.688	13.498	81.73
22.9	7.56	0.610	12.401	0.687	13.479	81.64
22.8	7.53	0.610	12.350	0.687	13.449	81.50
22.7	7.49	0.608	12.324	0.686	13.419	81.36
22.6	7.46	0.607	12.292	0.686	13.407	81.11
22.5	7.43	0.607	12.245	0.685	13.397	80.96
22.4	7.40	0.606	12.214	0.685	13.388	80.69
22.3	7.36	0.605	12.174	0.684	13.358	80.55
22.2	7.33	0.605	12.118	0.683	13.346	80.41
22.1	7.30	0.604	12.097	0.683	13.337	80.14

STC (Standard Testing Conditions): 1000W/m², AM1.5, 25°C

Light intensity response

Intensity (W/m ²)	Uoc	Isc
1000	1.00	1.00
800	0.99	0.80
600	0.98	0.60
400	0.96	0.40
200	0.93	0.20

I-V Curve



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.