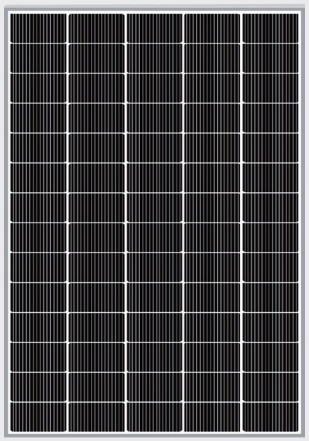
RESUN

RESUN SOLAR ENERGY CO.,LTD.

WWW.RESUNSOLAR.COM



RSM200M

RSM200M HALF-CELL series is produced with high efficiency multi-busbar cells, which can reduce the module internal power loss to improve its conversion efficiency, as well as lower the failure risk caused by cracks and broken busbar to enhance the module reliability. Combined with half-cell technology, the module is highly resistant to hot-spotcrisis caused by shadow effect.

70 Cells

Mono 4*15, 182*89mm

200W

Power Output

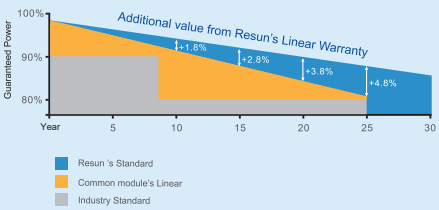
20.61%

The Highest Efficiency

0~5W

Tolerance

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty

High Reliability

SMBB technology can effectively reduce the reliability risk caused by cells cracks and broken busbar.

Anti-PID Resistance

Prominent anti-PID performance reduces the power degradation, leading to higher energy yield and lower LCOE.

Durability Against Extreme Conditions

Certified to resist high salt mist and ammonia conditions.

High Efficiency

SMBB technology can reduce the module internal power loss to improve the module conversion efficiency significantly.

Low-Light Performance

With high transmittance and anti-reflective 3.2mm tempered glass,the module has stronger performance under low light circumstances.

High Mechanical Strength

Certified to withstand: high wind load(2400Pa) and snow load(5400Pa).

Full range of products and certification systems

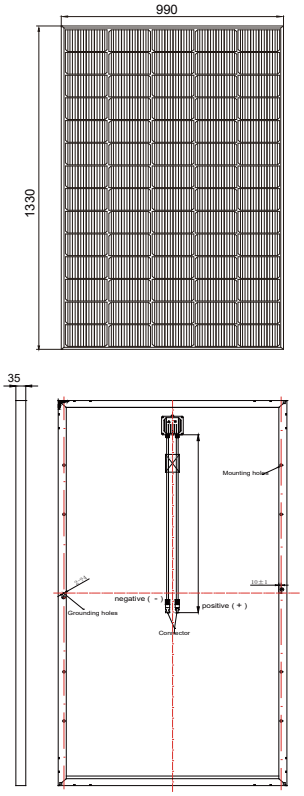
ISO 9001/14001 TUV PID-FREE CE IEC 61215/61730/61701/62716

RSM200M

RESUN
RESUN SOLAR ENERGY CO.,LTD.

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit:mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	200
Open Circuit Voltage-Voc(V)	46.90
Short Circuit Current-Isc(A)	5.53
Maximum Power Voltage-Vmp(V)	38.76
Maximum Power Current-Imp(A)	5.16
Module Efficiency	15.19%

STC: Irradiance 1000 W/m², Cell Temperature 25°C,Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

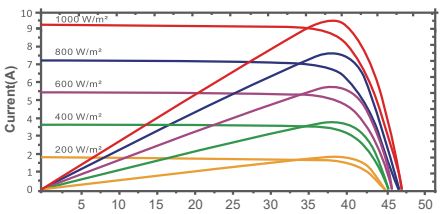
Maximum Power-Pmax(Wp)	149.20
Open Circuit Voltage-Voc (V)	43.95
Short Circuit Current-Isc(A)	4.47
Maximum Power Voltage-Vmp(V)	36.10
Maximum Power Current-Imp(A)	4.13

NOCT: Irradiance at 800 W/m²,Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Mono-crystalline 182 x 89mm
Cell Configuration	70 cells (5x14)
Module Dimensions	1330 x 990 x 35mm
Weight	13 KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-Box	IP67
Cable	4mm²(IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable

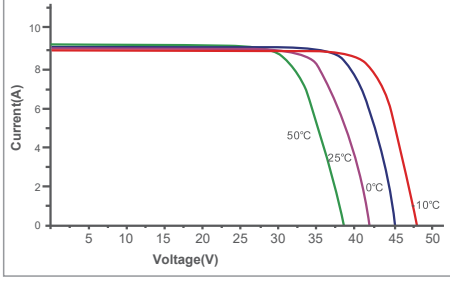
I-V characteristics at different irradiations



TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

I-V characteristics at different temperature



PACKAGING CONFIGURATION

Number of modules per container	
Package	
Package Number	