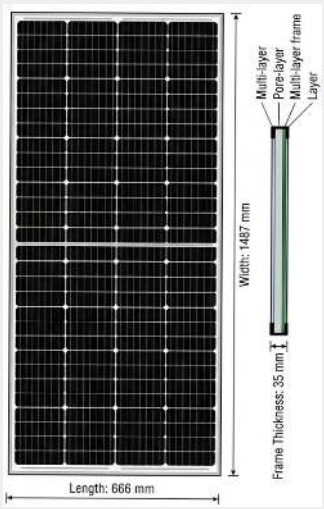
RESUN

RESUN SOLAR ENERGY CO.,LTD.



WWW.RESUNSOLAR.COM



RSM180M

RSM180M is a robust solar module with 36 solar cells.These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced, Our rigorous quality control and in-house testing facilities guarantee Resun Solars modules meet the highest quality standards possible.

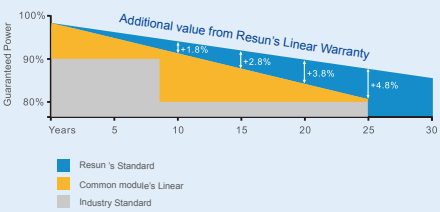
36 Cells
Mono-crystalline

180W
Power output

18.18%
The Highest Efficiency

0~+5W
Tolerance

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY
12 year Product Warranty / 30 year Linear Power Warranty

- **High module conversion efficiency (up to 18.18% , through superior manufacturing technology**
- **Guaranteed 0-+5W positive power output tolerance ensures high reliability**
- **Anti-reflective,hydrophobic coating improves light absorption and reduces surface dust**
- **Excellent performance under low light environments (mornings,evenings and cloudy days)**
- **Suitable for harsh environments,such as coasts, deserts and lakes Withstand high level of wind loads(2400pa) and snow loads(5400pa)**

2400Pa
5400PA

Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716

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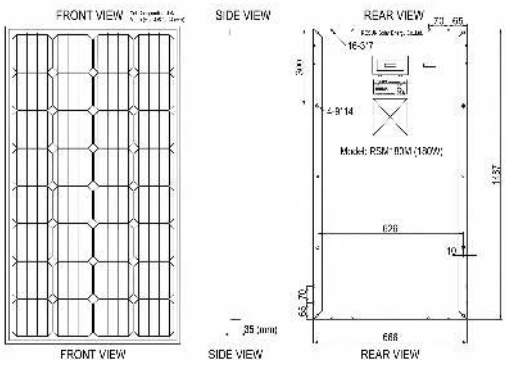
GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



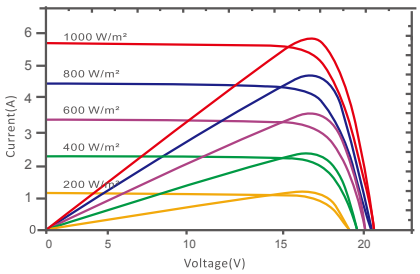
Rated Power in Watts-Pmax(Wp)	**180W**
Open Circuit Voltage-Voc(V)	23.00V
Short Circuit Current-Isc(A)	10.09A
Maximum Power Voltage-Vmp(V)	19.04V
Maximum Power Current-Imp(A)	9.46A
Module Efficiency (%)	18.18%

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

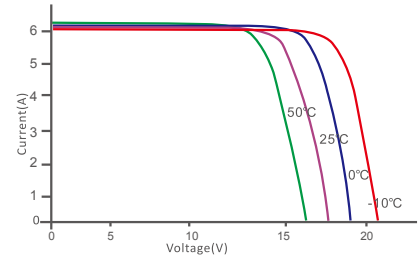
Maximum Power-Pmax (Wp)	133W
Open Circuit Voltage-Voc (V)	21.26V
Short Circuit Current-Isc (A)	8.15A
Maximum Power Voltage-Vmp(V)	18.17V
Maximum Power Current-Imp(A)	7.36A

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

I-V characteristics at different irradiations



I-V characteristics at different temperature



Solar cells	Mono-crystalline 156x156mm 4 or 5 Bus bars
Cell configuration	36Cells 4x9
Module dimensions	1487x666x35mm
Weight	11KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 6 Diodes
Cable	4mm2(IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/suite box

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	1000V(IEC)/600V(UL)
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

Partner information

	40HQ	20GP
Number of modules per container	660pcs	336pcs
Package	2pcs/suite box	2pcs/suite box
Package Weight	24kg/suite box	24kg/suite box
Package Number	330suite boxes	168suite boxes
Package Dimension	1507*686*170mm/suite box	1507*686*170mm/suite box

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