



RSM-100M

RSM-100M 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 Solar's modules meet the highest quality standards possible.

36 Cells

Mono-crystalline

100W

Power output

15.44%

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 15.44%), 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)

Full range of products and certification systems

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

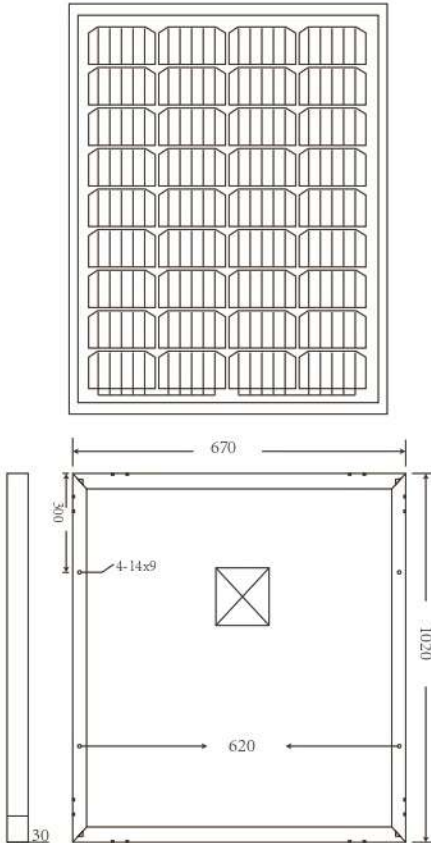


RSM-100M

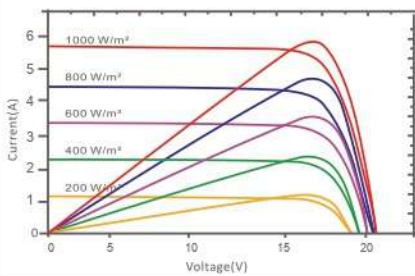


GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

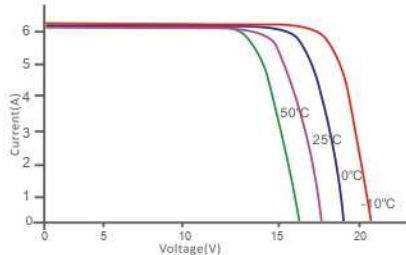
Dimension of PV Modules Unit:mm



I-V characteristics at different irradiances



I-V characteristics at different temperature



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	100W
Open Circuit Voltage-Voc(V)	21.95V
Short Circuit Current-Isc(A)	5.87A
Maximum Power Voltage-Vmp(V)	17.90V
Maximum Power Current-Imp(A)	5.59A
Module Efficiency (%)	15.44%

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)	74W
Open Circuit Voltage-Voc (V)	20.29V
Short Circuit Current-Isc (A)	4.74A
Maximum Power Voltage-Vmp(V)	17.08V
Maximum Power Current-Imp(A)	4.35A

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

MECHANICAL DATA

Solar cells	Mono-crystalline 156x91 mm, 5 Bus bars
Cell configuration	36 Cells(4x9)
Module dimensions	1020x670x30 mm
Weight	7 KGS
Front Cover	3.2 mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 6 Diodes
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	5 pcs/carton

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

PACKAGING CONFIGURATION

	40HQ
Quantity in container	2895 pcs
Package	5 pcs/carton
Package Number	579 cartons