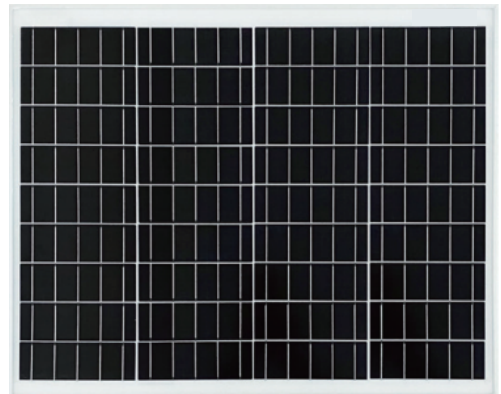




GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER



WWW.RESUNSOLAR.COM

RSM-50M

36 Cells

Mono-crystalline

50W

Power output

13.82%

The Highest Efficiency

0 ~ +5W

Tolerance

RSM-50M 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.



High module conversion efficiency (up to 13.82%), 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

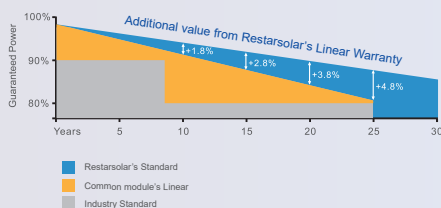


Excellent performance under low light environments (mornings, evenings and cloudy days)



Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

0.5% Annual Degradation over 30 years



Full range of products and certification systems

ISO9001 TUV PID-FREE CE IEC61215/61730/61701/62716



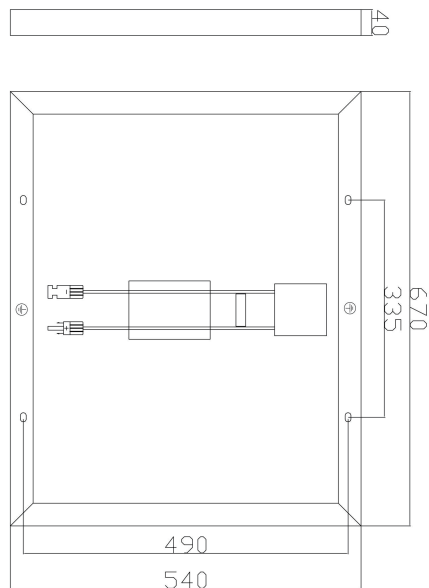
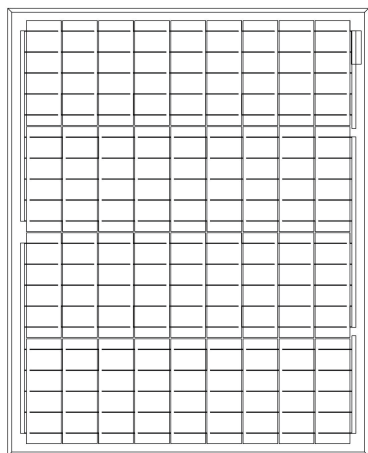
LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 30 year Linear Power Warranty



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Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	50W
Open Circuit Voltage-Voc(V)	21.60V
Short Circuit Current-Isc(A)	3.06A
Maximum Power Voltage-Vmp(V)	18.20V
Maximum Power Current-Imp(A)	2.75A
Module Efficiency (%)	13.82%

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)	37.34W
Open Circuit Voltage-Voc (V)	21.02V
Short Circuit Current-Isc (A)	2.48A
Maximum Power Voltage-Vmp(V)	16.95V
Maximum Power Current-Imp(A)	2.20A

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

MECHANICAL DATA

Solar cells	Mono-crystalline 156x52mm, 5 Bus bars
Cell configuration	36Cells(4x9)
Module dimensions	670x540x40 mm
Weight	4.0KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 3 Diodes
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/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
Package	2pcs/carton