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RSM090P

RSM090P is a robust solar module with 36 solar cells. These modules can be used for off-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

Poly-crystalline

90W

Power output

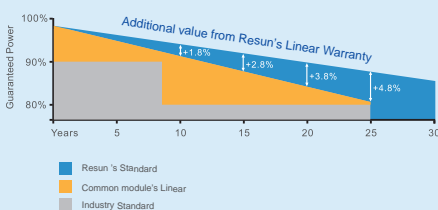
14.8%

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 14.8%), 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

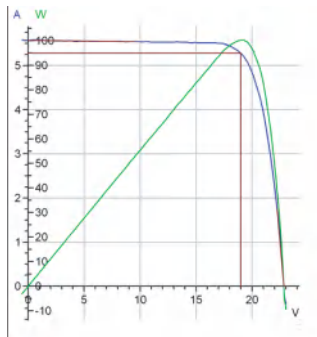
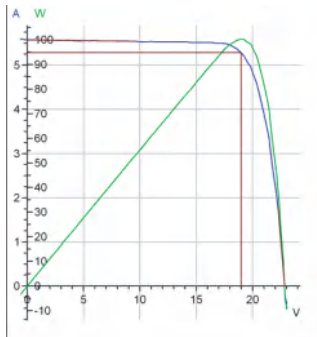
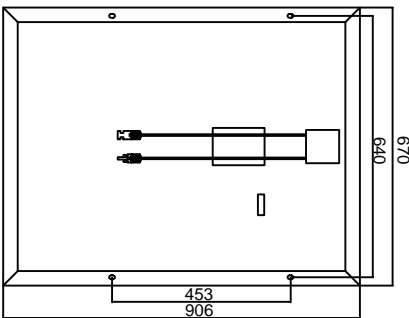
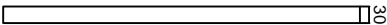
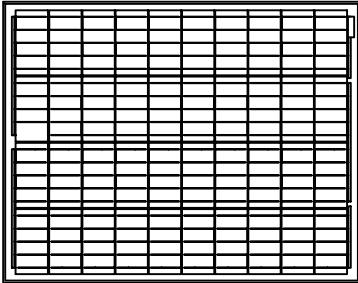


RSM090P



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	90W
Open Circuit Voltage-Voc(V)	22.60V
Short Circuit Current-Isc(A)	5.22A
Maximum Power Voltage-Vmp(V)	18.87V
Maximum Power Current-Imp(A)	4.77A
Module Efficiency (%)	14.8%

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)	67.14W
Open Circuit Voltage-Voc (V)	21.18V
Short Circuit Current-Isc (A)	4.22A
Maximum Power Voltage-Vmp(V)	17.57V
Maximum Power Current-Imp(A)	3.82A

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

MECHANICAL DATA

Solar cells	Poly-crystalline 156*93mm
Cell configuration	36 cells(4*9)
Module dimensions	9.6*670*25mm
Weight	6.4KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 1 Diodes
Cable	2.5mm ² (IEC) , 900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	10pcs/suite box

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

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