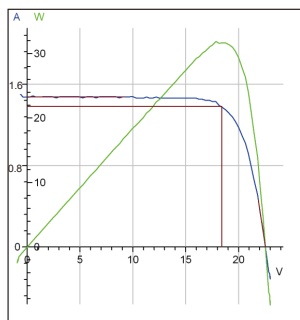
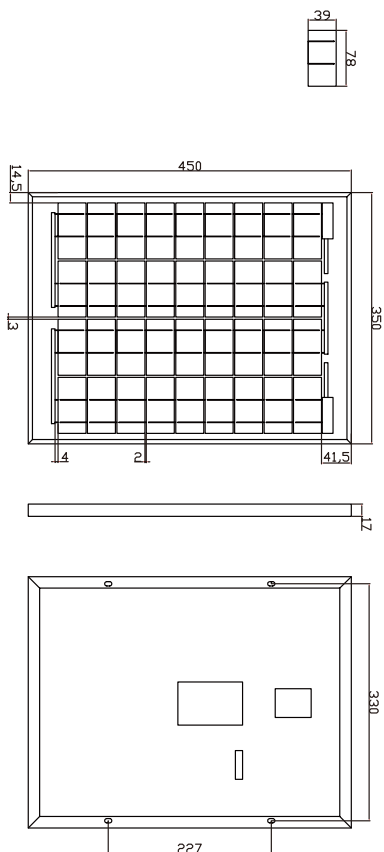


# RSM020P



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



A: Room 606, No.13, Yongshang Garden, Jingfeng Road,  
Mudu Town, Wuzhong District, Suzhou, Jiangsu Province, China  
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## ELECTRICAL DATA(STC)

Rated Power in Watts-P <sub>max</sub> (W <sub>p</sub> )	20W
Open Circuit Voltage-V <sub>oc</sub> (V)	21.60V
Short Circuit Current-I <sub>sc</sub> (A)	1.23A
Maximum Power Voltage-V <sub>mp</sub> (V)	18.20V
Maximum Power Current-I <sub>mp</sub> (A)	1.10A
Module Efficiency (%)	10.60%

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

## ELECTRICAL DATA(NOCT)

Maximum Power-P <sub>max</sub> (W <sub>p</sub> )	14.93W
Open Circuit Voltage-V <sub>oc</sub> (V)	20.02V
Short Circuit Current-I <sub>sc</sub> (A)	0.99A
Maximum Power Voltage-V <sub>mp</sub> (V)	16.95V
Maximum Power Current-I <sub>mp</sub> (A)	0.88A

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

## MECHANICAL DATA

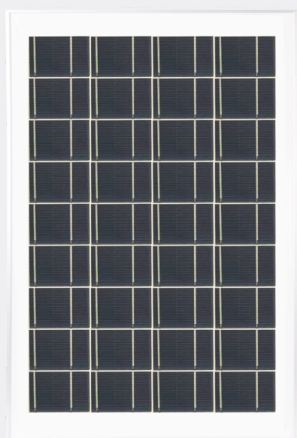
Solar cells	Poly-crystalline 78x39mm
Cell configuration	36 cells(4X9)
Module dimensions	450x350x17 mm
Weight	1.8KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 1 Diodes
Cable	0.5mm <sup>2</sup> (IEC), 800mm
Standard Packaging	20pcs/suite box

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of V <sub>oc</sub>	-0.32%/°C
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C
Temperature Coefficient of P <sub>max</sub>	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(IEC)/600V(UL)
Max Series Fuse Rating	10A
Limiting Reverse Current	10A



WWW.RESUNSOLAR.COM



## RSM020P

RSM020P 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

**20W**

Power output

**10.6%**

The Highest Efficiency

**0~+5W**

Tolerance



High module conversion efficiency (up to 10.6%), 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

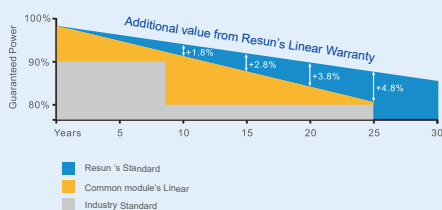


Excellent performance under low light environments (mornings, evenings and cloudy days)



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**

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



**LINEAR PERFORMANCE WARRANTY**

12 year Product Warranty / 30 year Linear Power Warranty