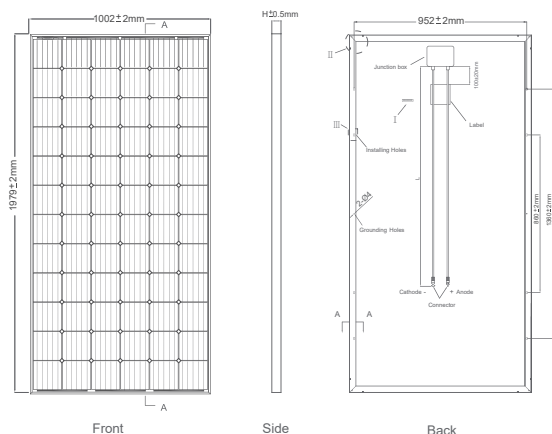


# RS6S-M(380-400)



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	380W	385W	390W	395W	400W
Open Circuit Voltage-Voc(V)	48.9V	49.1V	49.3V	49.5V	49.8V
Short Circuit Current-Isc(A)	9.75A	9.92A	10.12A	10.23A	10.36A
Maximum Power Voltage-Vmp(V)	40.5V	40.8V	41.1V	41.4V	41.7V
Maximum Power Current-Imp(A)	9.39A	9.44A	9.49A	9.55A	9.60A
Module Efficiency (%)	19.16%	19.42%	19.67%	19.92%	20.17%

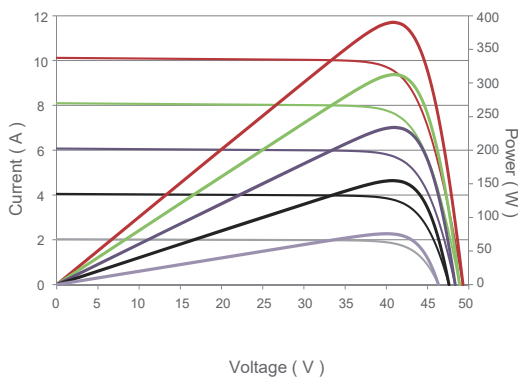
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

## ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	286W	290W	294W	298W	302W
Open Circuit Voltage-Voc (V)	47.5V	47.7V	48.0V	48.2V	48.5V
Short Circuit Current-Isc (A)	7.88A	7.95A	8.02A	8.09A	8.16A
Maximum Power Voltage-Vmp(V)	38.60V	38.80V	39.1V	39.3V	39.6V
Maximum Power Current-Imp(A)	7.42A	7.48A	7.54A	7.60A	7.66A

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

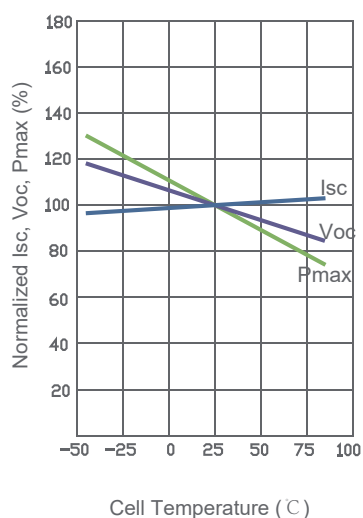
Current-Voltage & Power-Voltage Curves



## MECHANICAL DATA

Solar cells	Mono-crystalline 158.75x 158.75mm, 5 Bus bars
Cell configuration	72 cells(6x12)
Module dimensions	1979x 1002x40mm(77.91 x 39.45x 1.57in)
Weight	22.5KG (49.6lbs)
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	26pcs/pallet

Temperature Dependence of Isc, Voc, Pmax



## 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	1500V(IEC)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

## PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	720pcs	270pcs
Package	27pcs/pallet,2pcs/carton box	27pcs/pallet
Package Number	24pallets + 36carton boxes	10pallets
Package Weight	600kg/pallet,46kg/carton box	600kg/pallet
Package Dimension	2003*1130*1130mm/pallet 2003*1012*90mm/carton box	2003*1130*1130mm/pallet



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# RS6S-M

**72 Cells**

Mono-crystalline

**380-400W**

Power output

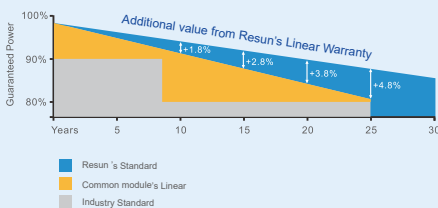
**20.17%**

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

RS6S-M is a robust solar module with 72 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. RS6S-M have five instead of three bus bars, which allows more efficient current collection and can also improve long term performance. The RS6S-M cells use a novel junction formation technology which is standard in semiconductor manufacturing. This allows for improved minority carrier lifetimes and a very tight distribution of cell performance in manufacturing. RS6S-M cells are PID free and further increase the cell efficiency allowing to increase the average module power distribution.



**High module conversion efficiency (up to 20.17%), 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

