Quality Maker®
Restarsolar, power the life

GLOBALPROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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RTM005M

18 Cells
Mono-crystalline

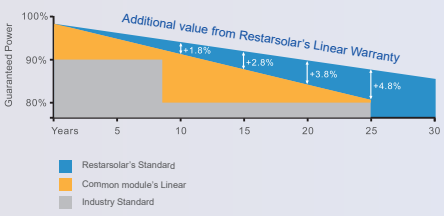
5W
Power output

8.77%
The Highest Efficiency

±3%
Tolerance



0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

12 **Year Product Warranty**

25 **Year Linear Power Warranty**

RTM005M

RTM005M series is produced with high efficiency multi-busbar cells, which can reduce the module internal power loss to improve its conversion efficiency, as well as lower the failure risk caused by cracks and broken busbar to enhance the module reliability. Combined with half-cell technology, the module is highly resistant to hot-spotcrisis caused by shadow effect.

High Reliability
Multi-busbar technology can effectively reduce the reliability risk caused by cells cracks and broken busbar.

Anti-PID Resistance
Prominent anti-PID performance reduces the power degradation, leading to higher energy yield and lower LCOE.

Durability Against Extreme Conditions
Certified to resist high salt mist and ammonia conditions.

High Efficiency
Multi-busbar technology can reduce the module internal power loss to improve the module conversion efficiency significantly.

Low-Light Performance
With high transmittance and anti-reflective 3.2mm tempered glass,the module has stronger performance under low light circumstances.

High Mechanical Strength
Certified to withstand: high wind load(2400Pa) and snow load(5400Pa).

Full range of products and certification systems

ISO 9001/14001 TUV PID-FREE CE IEC 61215/61730/61701/62716

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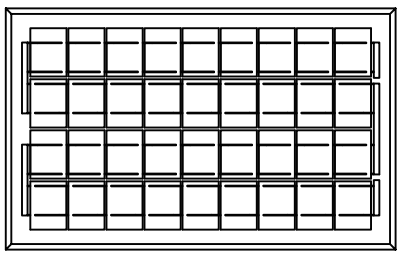
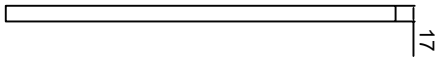
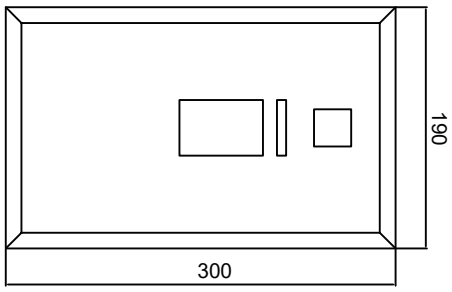
Dimension of PV Modules Unit: mm







ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	5
Open Circuit Voltage-Voc(V)	11.70
Short Circuit Current-Isc(A)	0.57
Maximum Power Voltage-Vmp(V)	9.70
Maximum Power Current-Imp(A)	0.52
Module Efficiency	8.77%

STC: Irradiance 1000 W/m², Cell Temperature 25°C,Air Mass AM1.5 according to EN 60904-3.

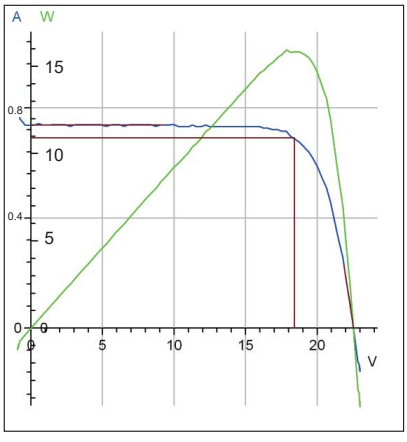
ELECTRICAL DATA(NOCT)

Maximum Power-Pmax(Wp)	3.76
Open Circuit Voltage-Voc (V)	10.96
Short Circuit Current-Isc(A)	0.46
Maximum Power Voltage-Vmp(V)	9.03
Maximum Power Current-Imp(A)	0.42

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

MECHANICAL DATA

Solar cells	Mono-crystalline 78*26mm
Cell configuration	18 cells(2*9)
Module dimensions	190*300*17mm
Weight	0.68kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 1 Diodes
Cable	0.5mm²(IEC), 800mm



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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