

# RTM100M

**39 Cells**

Mono-crystalline, 210\*78mm

**100W**

Power output

**14.63%**

The Highest Efficiency

**0 ~ +5W**

Tolerance

WWW.RESTARSOLAR.COM

RTM-200M 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 Restarsolar's modules meet the highest quality standards possible.



High module conversion efficiency (up to 14.63%), through superior manufacturing technology



Guaranteed 0~+5W positive power output tolerance ensures high reliability



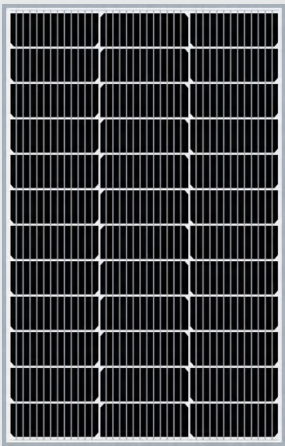
Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



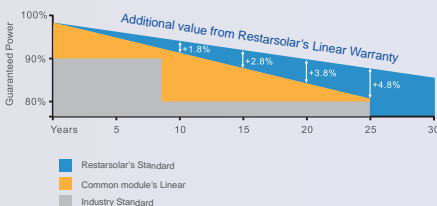
Excellent performance under low light environments (mornings, evenings and cloudy days)



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

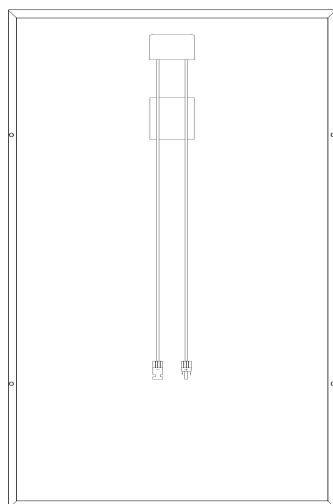
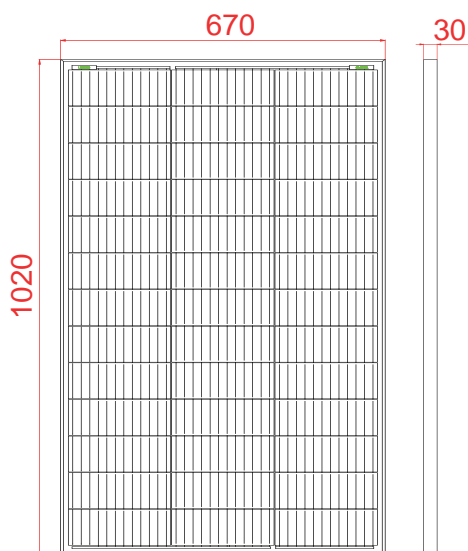
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



### LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 30 year Linear Power Warranty

Dimension of PV Modules Unit: mm



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	100
Open Circuit Voltage-Voc(V)	23.00
Short Circuit Current-Isc(A)	5.74
Maximum Power Voltage-Vmp(V)	18.84
Maximum Power Current-Imp(A)	5.31
Module Efficiency	14.63%

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)	74.63
Open Circuit Voltage-Voc (V)	21.55
Short Circuit Current-Isc (A)	4.64
Maximum Power Voltage-Vmp(V)	17.55
Maximum Power Current-Imp(A)	4.25

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

## MECHANICAL DATA

Solar cells	Mono-crystalline 210*78mm
Cell configuration	36cells(3*12)
Module dimensions	1020*670*30mm
Weight	11.2kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP65 or IP67
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	5pcs/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	- 0.35%/C
Operational Temperature	- 40~+85 C
Maximum System Voltage	1000V(IEC)/600V(UL)
Max Series Fuse Rating	10A
Limiting Reverse Current	10A