

# RT6K-M

**120 Cells**

Mono Half-Cell 9BB

**325-340 W**

Power output

**20.15%**

The Highest Efficiency

**0~+5W**

Tolerance

WWW.RESTARSOLAR.COM

RT6K-M HALF-CELL 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-spot crisis 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-PIPO 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.



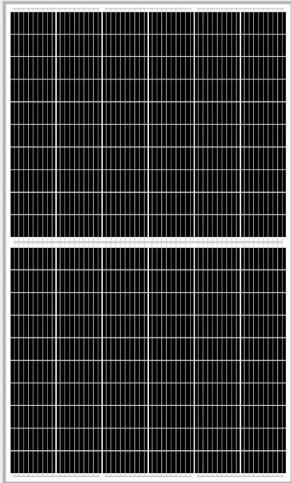
## Low-Light Performance

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

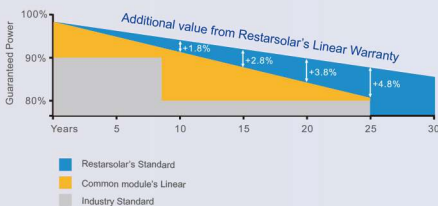


## High Mechanical Strength

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



## 0.5% Annual Degradation over 30 years

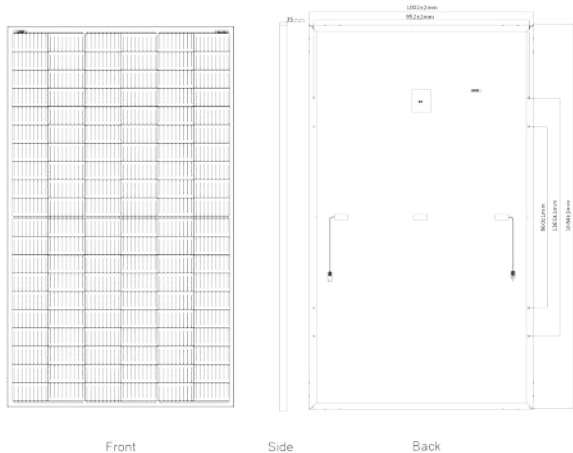


**LINEAR PERFORMANCE WARRANTY**  
12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems  
ISO9001 TUV PID-FREE CE IEC61215/61730/61701/62716

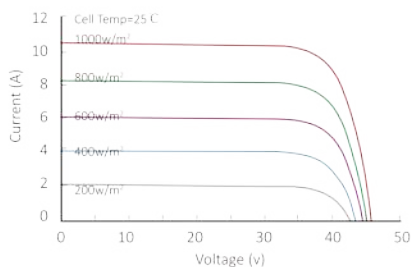


Dimension of PV Modules Unit: mm

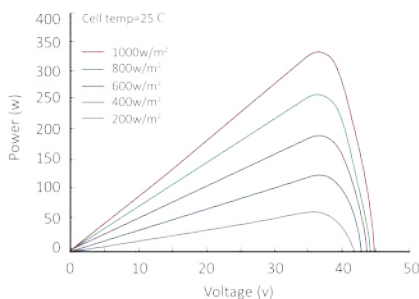


Front Side Back

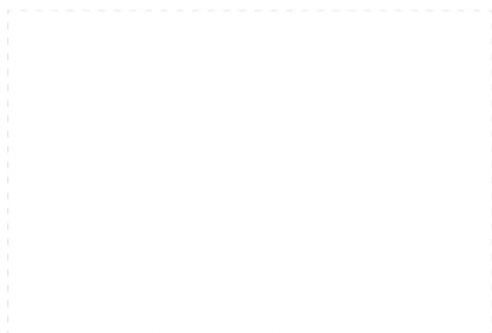
Current-Voltage Curve (RT6K-330M)



Power-Voltage Curve (RT6K-330M)



**Partner information**



**ELECTRICAL DATA(STC)**

Rated Power in Watts-Pmax(Wp)	325W	330W	335W	340W
Open Circuit Voltage-Voc(V)	41.1V	41.3V	41.5V	41.7V
Short Circuit Current-Isc(A)	10.20A	10.31A	10.36A	10.55A
Maximum Power Voltage-Vmp(V)	33.6V	33.8V	34.0V	34.2V
Maximum Power Current-Imp(A)	9.68A	9.77A	9.87A	9.96A
Module Efficiency (%)	19.26%	19.56%	19.85%	20.15%

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)	242W	246W	250W	253W
Open Circuit Voltage-Voc (V)	38.0V	38.2V	38.4V	38.6V
Short Circuit Current-Isc (A)	8.54A	8.65A	8.74A	8.86A
Maximum Power Voltage-Vmp(V)	31.6V	31.8V	32.0V	32.2V
Maximum Power Current-Imp(A)	7.66A	7.74A	7.82A	7.86A

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

**MECHANICAL DATA**

Solar cells	Mono Half-Cell 158.75x79.375mm, 9 Bus bars
Cell configuration	120 Cells (6x20)
Module dimensions	1684x1002x35mm
Weight	19KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL),300mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	30pcs/pallet

**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	-0.34%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	20A

**PACKAGING CONFIGURATION**

	40HQ
Modules per container	896pcs
Package	30pcs/pallet, 2pcs/carton
Package Number	28pallets + 28cartons