

# RT7K-M

120 Cells

Mono Half-Cell 9BB

355-380 W

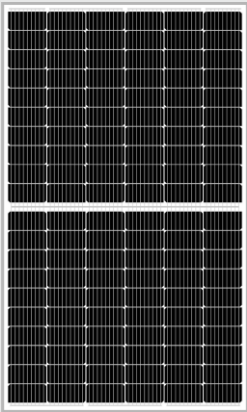
Power output

20.90%

The Highest Efficiency

0~+5W

Tolerance



RT7K-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.



**HIGHER ENERGY GENERATION AND LOWER POWER LOSS**



**ANTI HOT SPOT&PID FREE**



**LESS SHADING EFFECT**

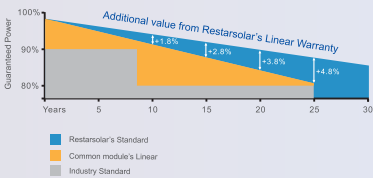


**APPLICABLE FOR 1500V SYSTEM, LOWER SYSTEM COST**

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**Entire module certified to withstand high wind loads(2400Pascal) and snow loads (5400 Pascal)\***

## 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

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

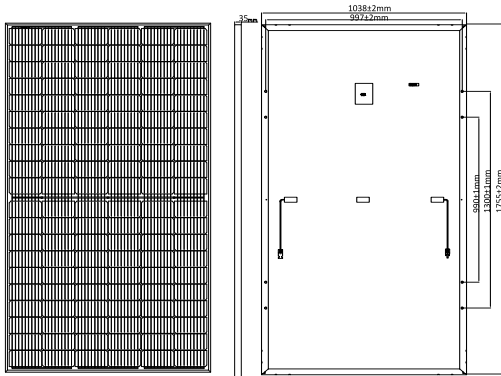


# Afriipower

INVERTERS | SOLAR | BATTERY | UPS

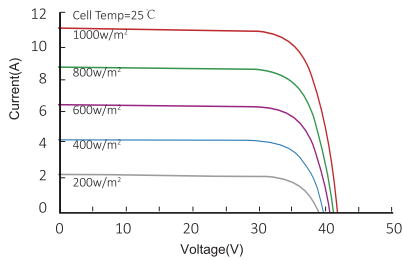
GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm

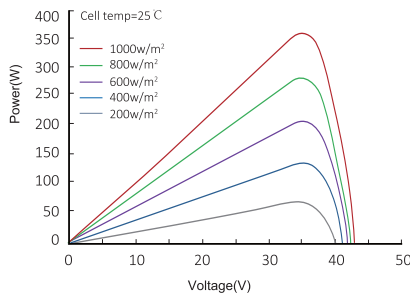


Front Side Back

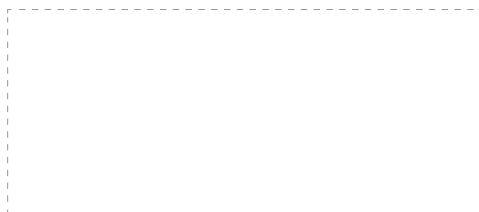
Current-Voltage Curve (RT7K-370M)



Power-Voltage Curve (RT7K-370M)



## Partner information



## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	355W	360W	365W	370W	375W	380W
Open Circuit Voltage-Voc(V)	40.30V	40.50V	40.70V	40.90V	41.10V	41.30V
Short Circuit Current-Isc(A)	11.31A	11.39A	11.46A	11.53A	11.60A	11.69A
Maximum Power Voltage-Vmp (V)	33.90V	34.10V	34.20V	34.40V	34.60V	34.80V
Maximum Power Current-Imp(A)	10.48A	10.56A	10.67A	10.76A	10.84A	10.92A
Module Efficiency (%)	19.50%	19.80%	20.00%	20.30%	20.60%	20.90%

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)	263W	266.7W	270.4W	274.1W	277.8W	281.5W
Open Circuit Voltage-Voc (V)	37.60V	37.80V	38.00V	38.20V	38.40V	38.50V
Short Circuit Current-Isc (A)	9.07A	9.15A	9.22A	9.29A	9.35A	9.42A
Maximum Power Voltage-Vmp(V)	31.20V	31.40V	31.60V	31.80V	32.00V	32.10V
Maximum Power Current-Imp(A)	8.43A	8.49A	8.56A	8.63A	8.69A	8.76A

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

## MECHANICAL DATA

Solar cells	Half-Cell Mono 166x83mm, 9 Bus bars
Cell configuration	120 Cells (6x20)
Module dimensions	1755x1038x35mm
Weight	19KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 300mm or customized
Connectors	MC4 or MC4 Comparable

## 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

## PACKAGING CONFIGURATION

	40HQ
Modules per container	858pcs
Package	31pcs/pallet, 2pcs/carton
Package Number	26pallets + 26cartons