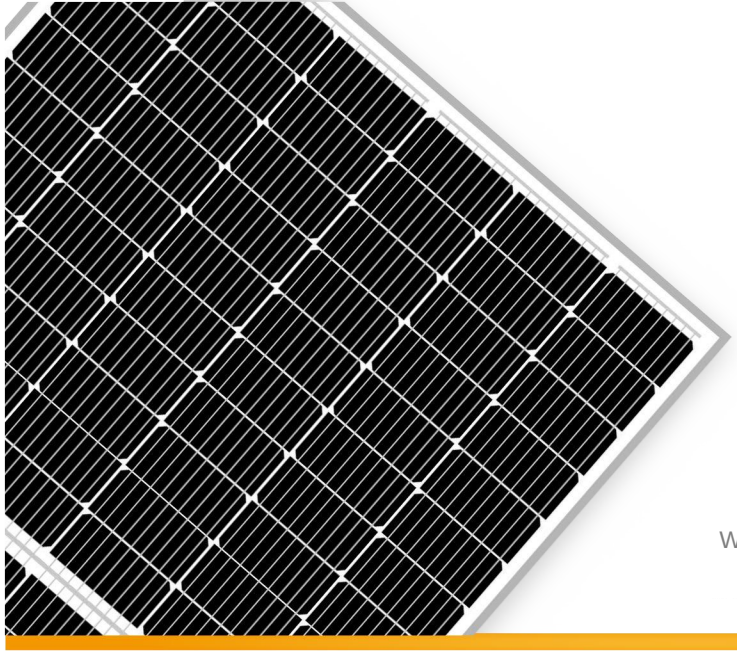
KINSPIRE ENERGY

RESUN



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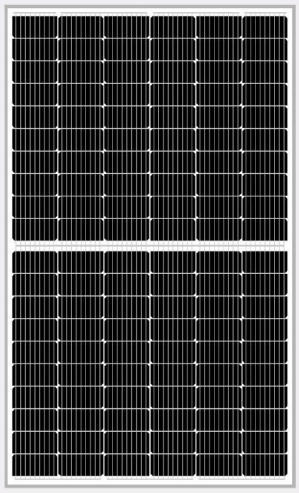


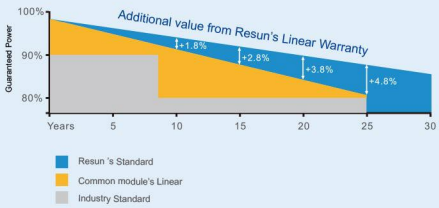
120 Cells
Mono Half-Cell 9BB

355-380 W
Power output

20.90%
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

RS7K-M

RS7K-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 an↑I PIO 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

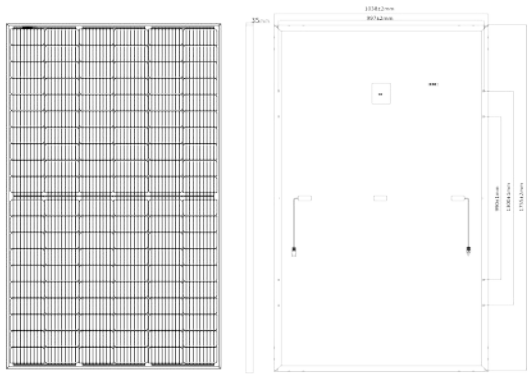
ISO9001 TUV PID-FREE CE IEC 61215/61730/61701/62716

RS7K-M

KINSPIRE ENERGY

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



Front Side Back

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%

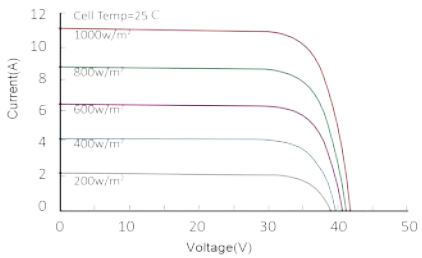
STC: Irradiance 1000 W/m^2, Cell Temperature 25℃, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

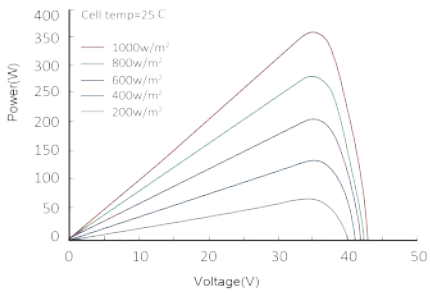
Rated Power in Watts-Pmax(Wp)	263W	266.7W	270.4W	274.1W	277.8W	281.5W
Open Circuit Voltage-Voc(V)	37.60V	37.80V	38.00V	38.20V	38.40V	38.50V
Short Circuit Current-Isc(A)	9.07A	9.15A	9.22A	9.29A	9.35A	9.42A
Maximum Power Voltage-Vmp(V)	31.20V	31.40V	31.60V	31.80V	32.00V	32.10V
Maximum Power Current-Imp(A)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

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

Current-Voltage Curve (RS7K-370M)



Power-Voltage Curve (RS7K-370M)



MECHANICAL DATA

Solar Cells	Half-Cell Mono 166x83mm, 9 Bus bars
Cell Configuration	120 Cells (6x20)
Module Dimensions	1755x1038x35mm
Weight	19.5KGS
Fromt Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL), 300mm or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	31pcs/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

Partner information

PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	858pcs
Pallet/Container	31pcs/pallet, 2pcs/carton
Piece/Container	26allets + 26cartons

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