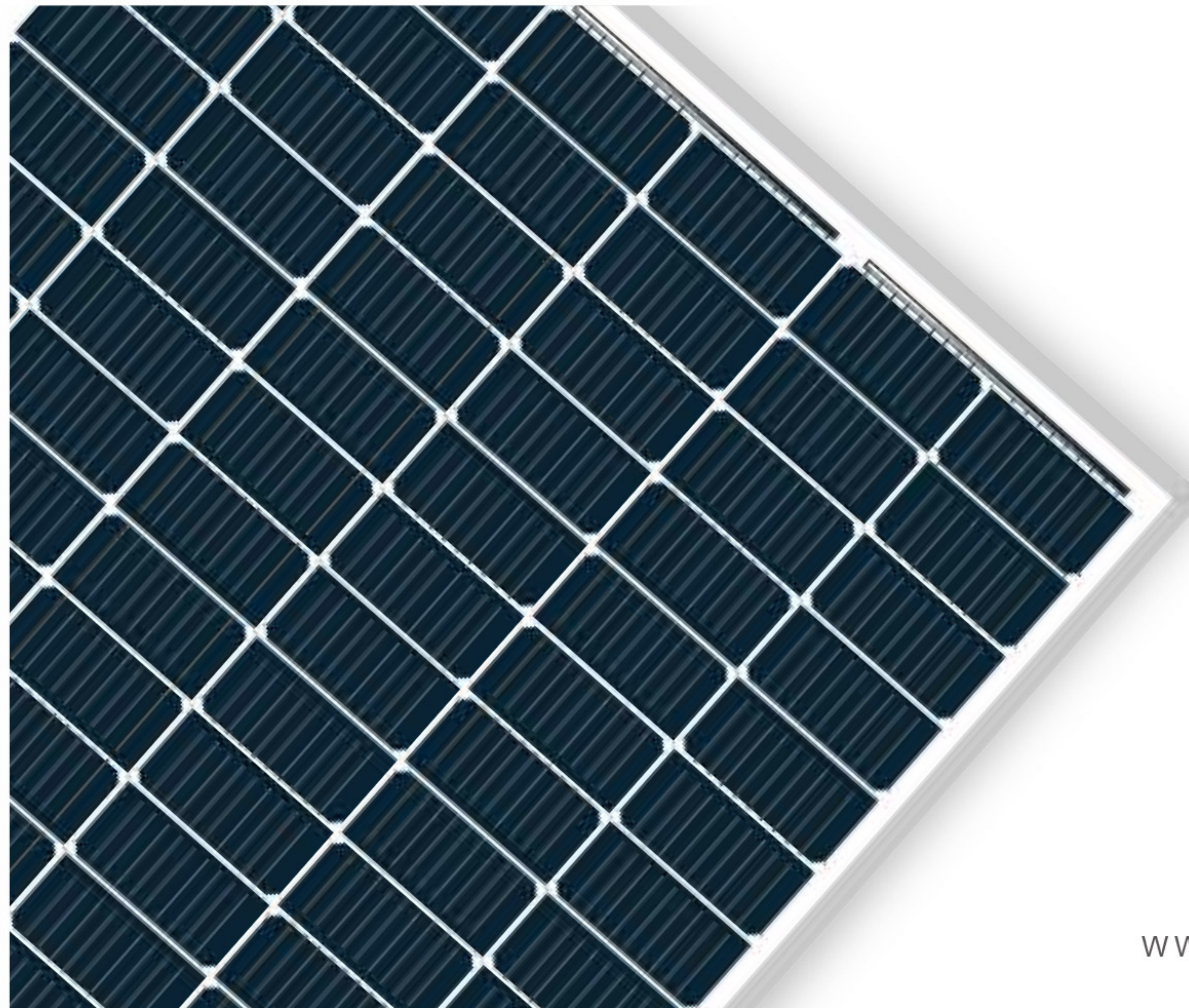
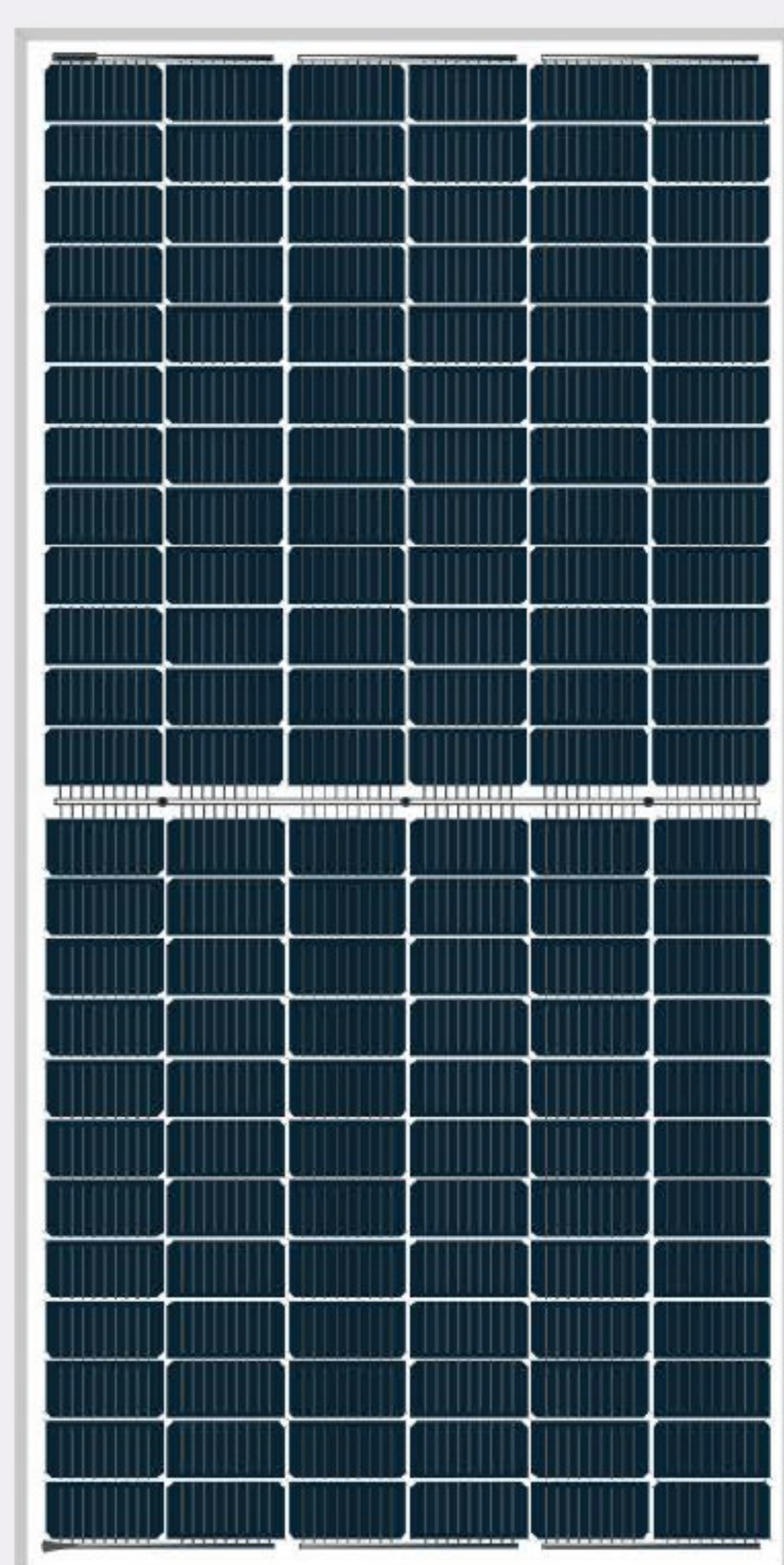




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144 Cells

9BB Mono Half-Cell

425-450 W

Power output

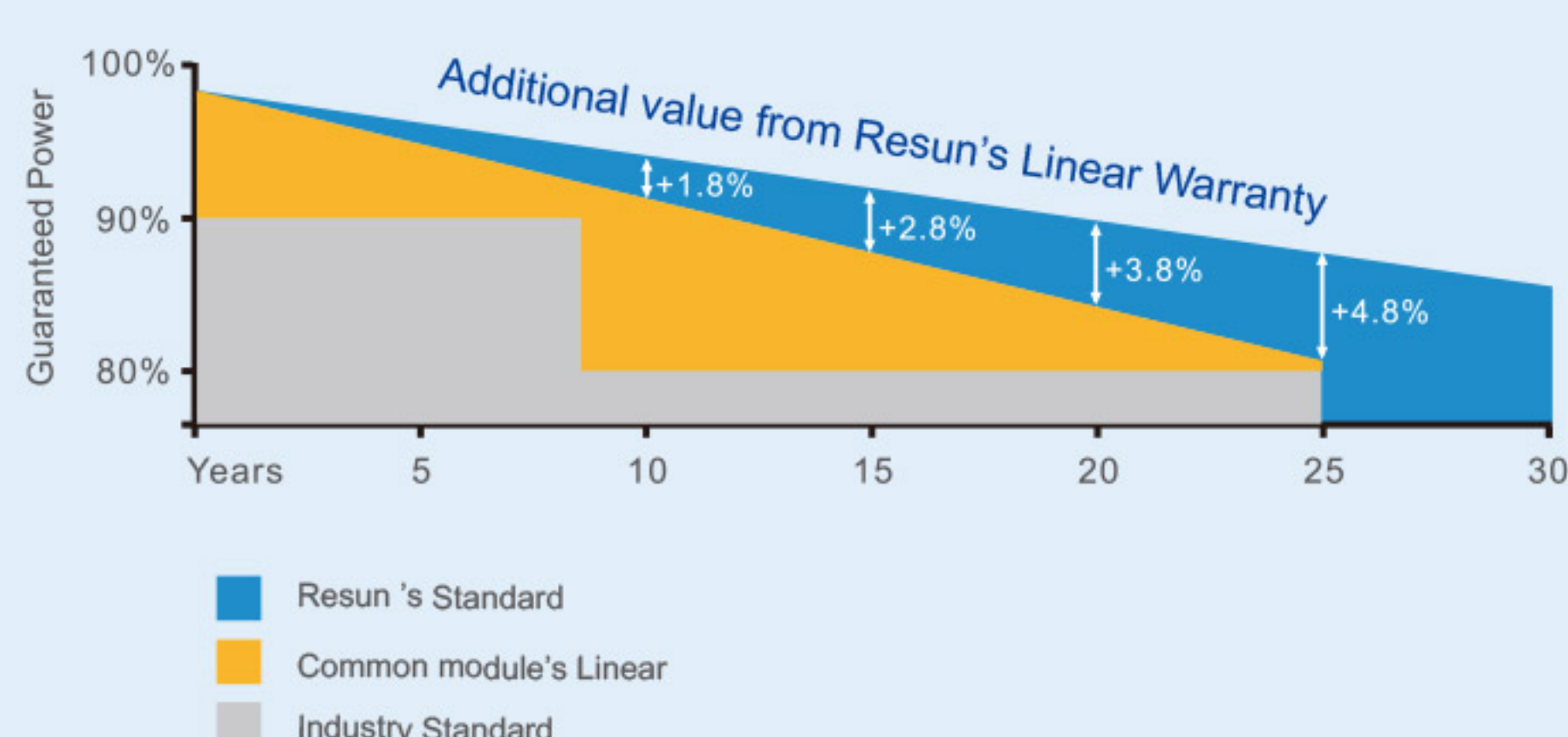
20.37%

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

Half-cell high-efficiency solar panel is cutting cells One divides into two,it could reduce thermal resistance,improve output power 5-10W;it could meet 1500V whole system voltage design demand and reduce whole system cost 10%. In comparison to full solar cell modules,this one cells subfissure,power attenuation and sunshine occlusion is more lower;and excellent high temperature character. It is the best choice for large ground power station,Ecological agriculture fishery project and Distributed beach project.



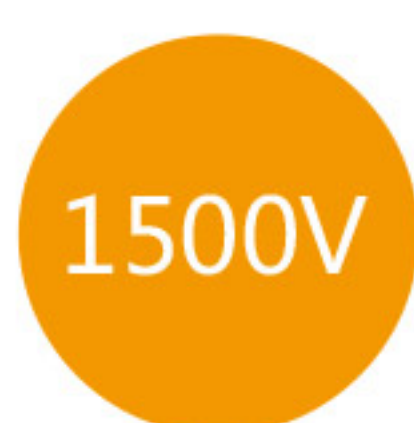
**HIGHER ENERGY GENERATION
AND LOWER POWER LOSS**



ANTI HOT SPOT&PID FREE



LESS SHADING EFFECT



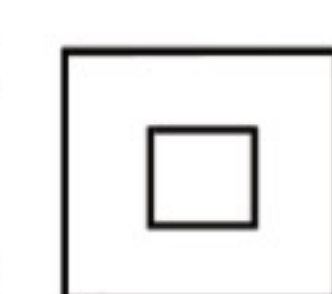
**APPLICABLE FOR 1500V SYSTEM,LOWER
SYSTEM COST**



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

Full range of products and certification systems

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

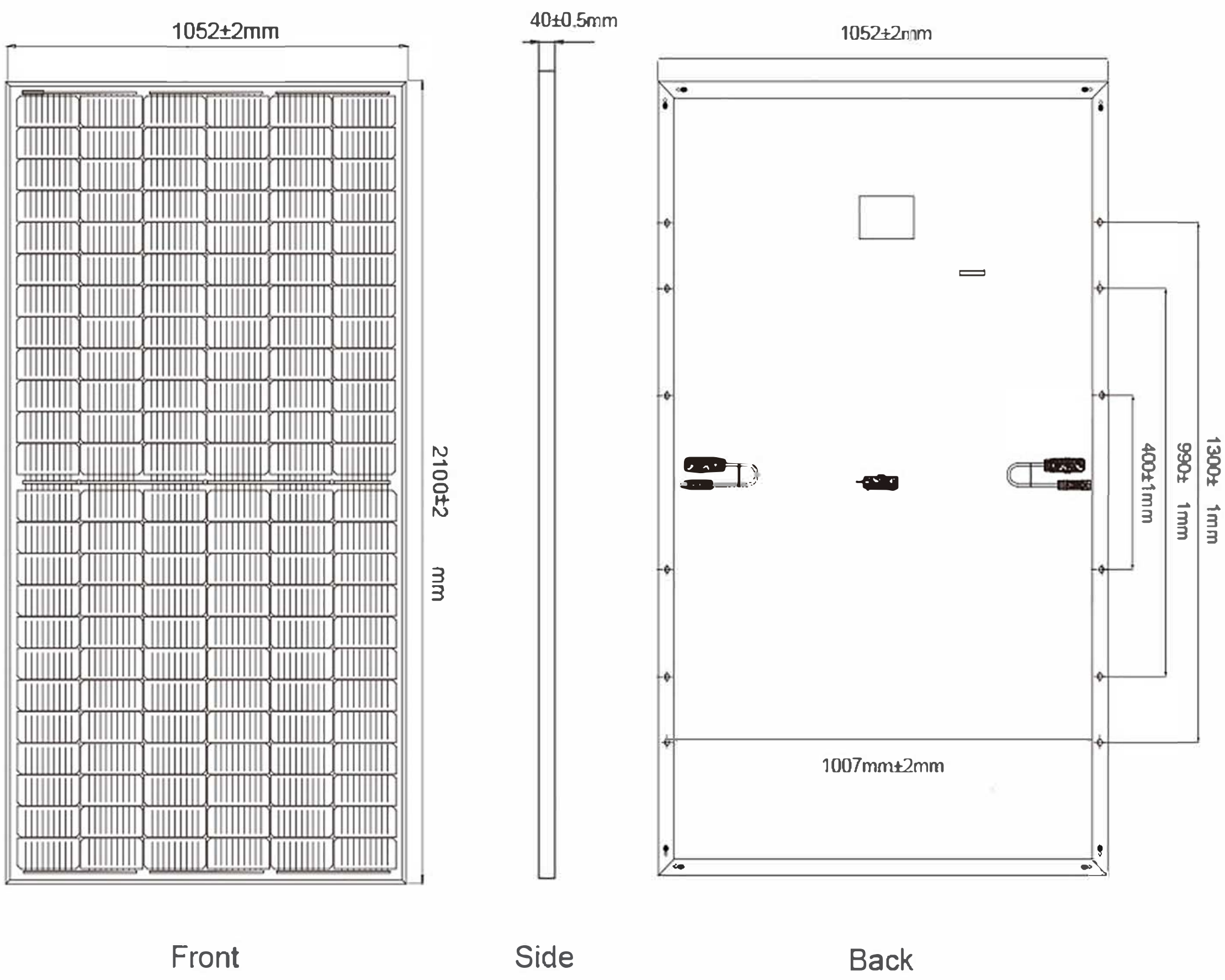


RS7K-M

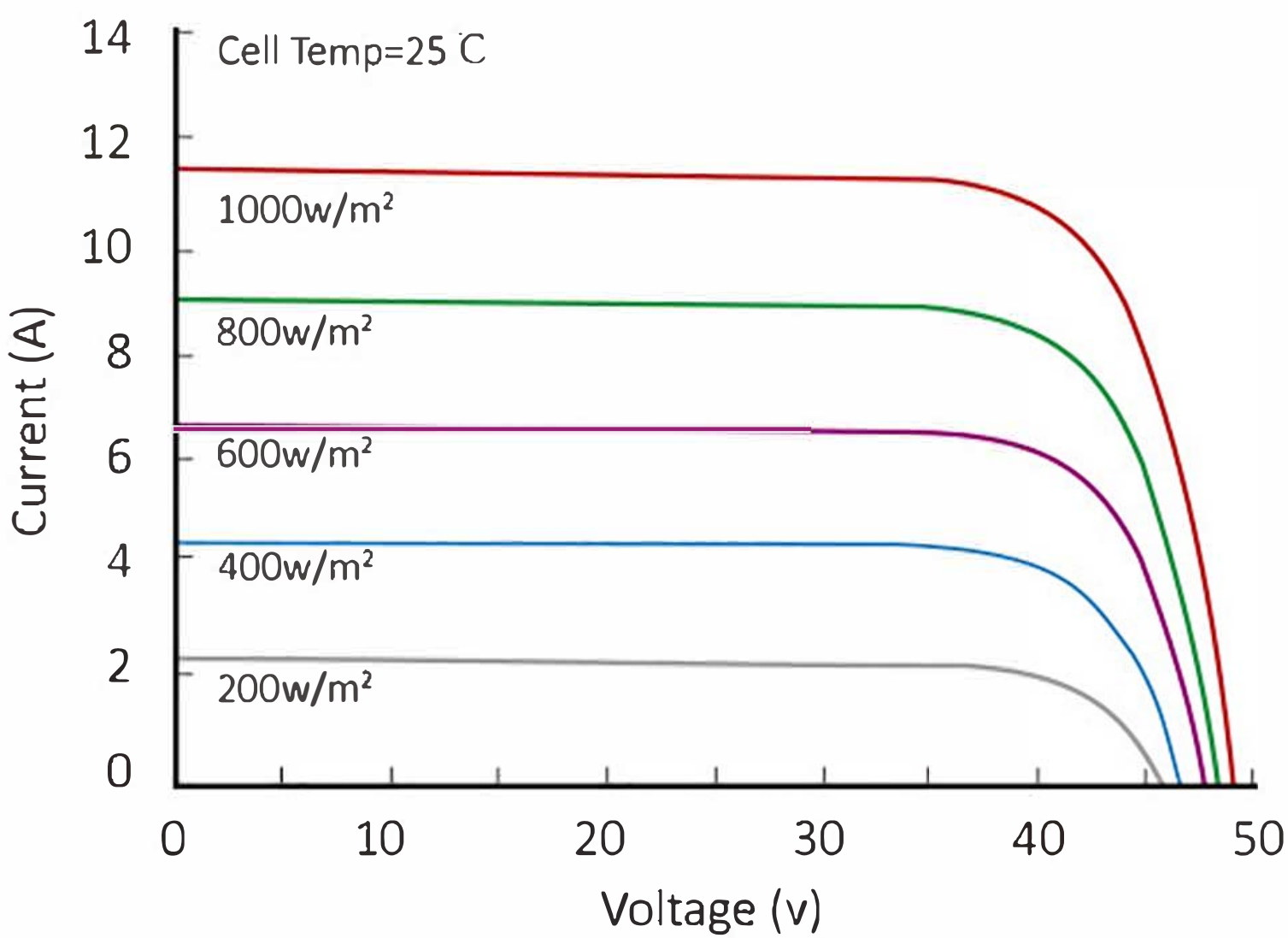


GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

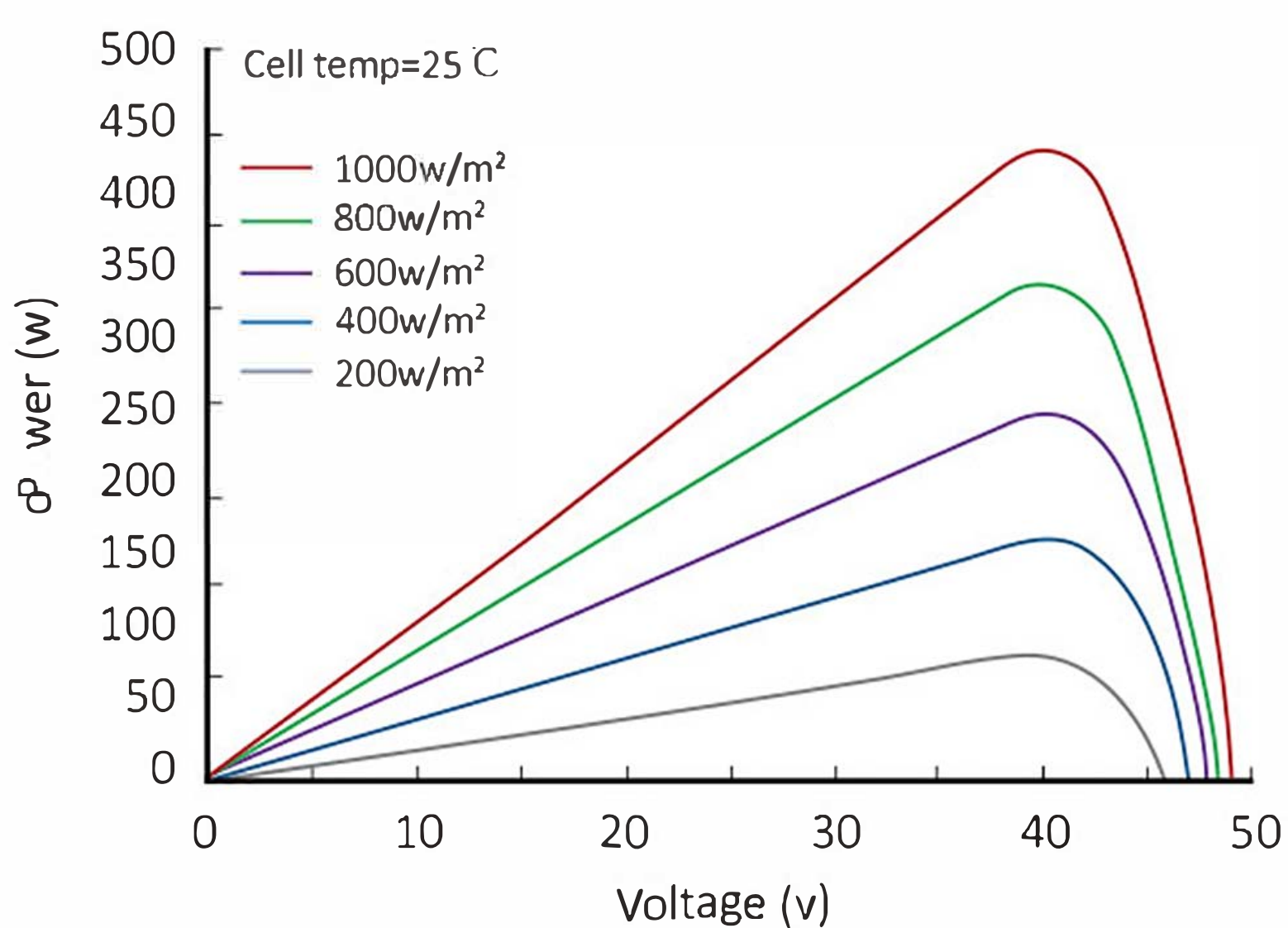
Dimension of PV Modules Unit: mm



Current-Voltage Curve (RS7K-440M)



Power-Voltage Curve (RS7K-440M)



Partner information



A: Room 606,No.13,Yongshang Garden,Jingfeng Road,Mudu Town,Wuzhong District,Suzhou,Jiangsu Province,China
F: +86512-66292101 T: +86 512-66293858
W: www.resunsolar.com E: info@resunsolar.com

ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	425W	430W	435W	440W	445W	450W
Open Circuit Voltage-Voc(V)	48.3V	48.5V	48.7V	48.9V	49.1V	49.3V
Short Circuit Current-Isc(A)	11.23A	11.31A	11.39A	11.46A	11.53A	11.6A
Maximum Power Voltage-Vmp (V)	40.5V	40.7V	40.9V	41.1V	41.3V	41.5V
Maximum Power Current-Imp(A)	10.5A	10.57A	10.64A	10.71A	10.78A	10.85A
Module Efficiency (%)	19.24%	19.46%	19.69%	19.91%	20.14%	20.37%

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)	317.4W	321.1W	324.9W	328.6W	332.3W	336.1W
Open Circuit Voltage-Voc (V)	45.3V	45.5V	45.7V	45.8V	46.0V	46.2V
Short Circuit Current-Isc (A)	9.08A	9.15A	9.21A	9.27A	9.33A	9.38A
Maximum Power Voltage-Vmp(V)	37.7V	37.9V	38.1V	38.3V	38.5V	38.6V
Maximum Power Current-Imp(A)	8.42A	8.47A	8.53A	8.59A	8.64A	8.7A

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

MECHANICAL DATA

Solar cells	Half-Cell Mono 166x83mm, 9 Bus bars
Cell configuration	144 Cells (6x24)
Module dimensions	2100x1052x40mm(82.7*41.4*1.57in)
Weight	25KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL),300mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	27pcs/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	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40HQ
Modules per container	616pcs
Package	27pcs/pallet, 2pcs/carton
Package Number	22pallets + 11cartons