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# RT7I-M

## 144 Cells

Mono Half-Cell 9BB

## 435-460 W

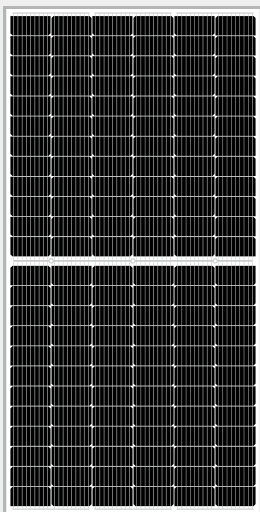
Power output

## 20.83%

The Highest Efficiency

## 0 ~ +5W

Tolerance



**HIGHER ENERGY GENERATION  
AND LOWER POWER LOSS**



**ANTI HOT SPOT&PID FREE**



**LESS SHADING EFFECT**

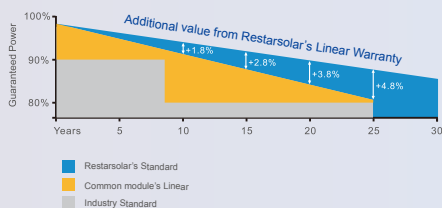


**APPLICABLE FOR 1500V SYSTEM, LOWER  
SYSTEM COST**



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

## 0.5% Annual Degradation over 30 years



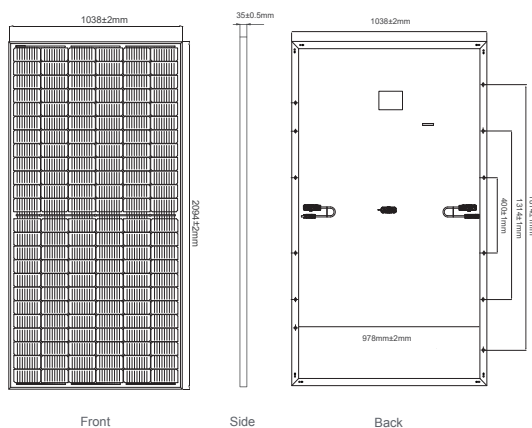
**LINEAR PERFORMANCE WARRANTY**  
12 year Product Warranty / 30 year Linear Power Warranty

## Full range of products and certification systems

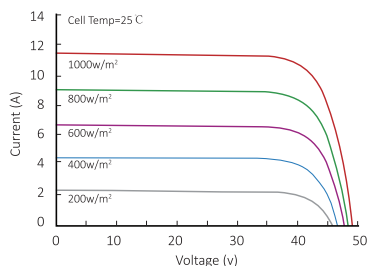
ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



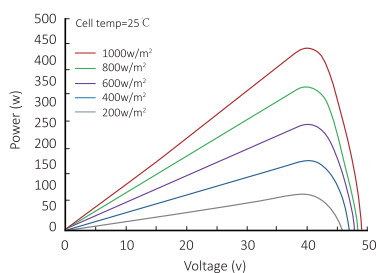
#### Dimension of PV Modules Unit: mm



#### Current-Voltage Curve (RT71-440M)



#### Power-Voltage Curve (RT71-440M)



#### ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	435W	440W	445W	450W	455W	460W
Open Circuit Voltage-Voc(V)	48.7V	48.9V	49.1V	49.3V	49.5V	49.7V
Short Circuit Current-Isc(A)	11.39A	11.46A	11.53A	11.6A	11.67A	11.74A
Maximum Power Voltage-Vmp(V)	40.9V	41.1V	41.3V	41.5V	41.7V	41.9V
Maximum Power Current-Imp(A)	10.64A	10.71A	10.78A	10.85A	10.91A	10.98A
Module Efficiency (%)	20.01%	20.24%	20.47%	20.70%	20.93%	21.16%

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)	324.9W	328.6W	332.3W	336.1W	339.8W	343.6W
Open Circuit Voltage-Voc (V)	45.7V	45.8V	46.0V	46.2V	46.4V	46.6V
Short Circuit Current-Isc (A)	9.21A	9.27A	9.33A	9.38A	9.43A	9.48A
Maximum Power Voltage-Vmp(V)	38.1V	38.3V	38.5V	38.6V	38.9V	39.1V
Maximum Power Current-Imp(A)	8.53A	8.59A	8.64A	8.7A	8.74A	8.79A

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

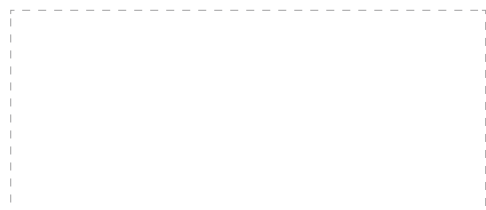
#### MECHANICAL DATA

Solar cells	Mono Half-Cell 166x83mm, 9 Bus bars
Cell configuration	144 Cells (6x24)
Module dimensions	2094x1038*35mm
Weight	25KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	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	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	20A

#### Partner information



#### PACKAGING CONFIGURATION

	40HQ
Modules per container	726pcs
Package	31pcs/pallet, 2pcs/carton
Package Number	22pallets + 22cartons