

RT7E-M ALL BLACK

36 Cells

Mono-crystalline 9BB

210-230W

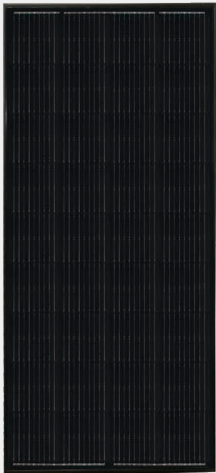
Power output

21.06%

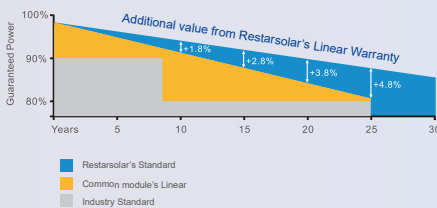
The Highest Efficiency

0~+5W

Tolerance



0.5% Annual Degradation over 30 years



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

HIGH EFFICIENCY

9BB

AESTHETIC DESIGN

ALL BLACK

GLOBAL PROFESSIONAL PV PRODUCTS

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RT7E-M ALL BLACK 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. The all-black design makes the module appearance outstanding and ideal for building installations.



High Reliability

Multi-busbar technology can effectively reduce the reliability risk caused by cells cracks and broken busbar.



Aesthetic Design

The all black module is aesthetically designed with outstanding and premium visual appearance.



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

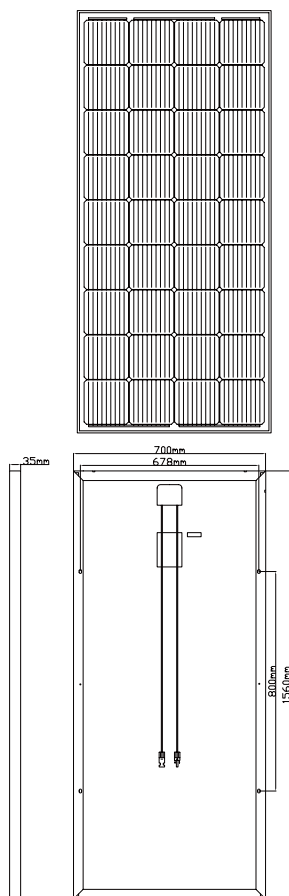
Certified to withstand: high wind load (2400Pa) and snow load (5400Pa).

Full range of products and certification systems

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



Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	210W	215W	220W	225W	230W
Open Circuit Voltage-Voc(V)	23.95V	23.99V	24.03V	24.06V	24.10V
Short Circuit Current-Isc(A)	11.07A	11.30A	11.53A	11.76A	11.99A
Maximum Power Voltage-Vmp (V)	20.05V	20.09V	20.12V	20.16V	20.19V
Maximum Power Current-Imp(A)	10.47A	10.70A	10.93A	11.16A	11.39A
Module Efficiency (%)	19.23%	19.69%	20.15%	20.60%	21.06%

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)	156.8W	160.4W	164.1W	167.9W	171.6W
Open Circuit Voltage-Voc (V)	22.46V	22.50V	22.54V	22.57V	22.61V
Short Circuit Current-Isc (A)	8.95A	9.13A	9.32A	9.50A	9.69A
Maximum Power Voltage-Vmp(V)	18.66V	18.68V	18.71V	18.75V	18.78V
Maximum Power Current-Imp(A)	8.4A	8.58A	8.77A	8.95A	9.14A

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

MECHANICAL DATA

Solar cells	Mono-crystalline 166X166mm, 9 Bus bars
Cell configuration	36cells(4x9)
Module dimensions	1560x700x35mm
Weight	12KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68, 2 or 3 diodes
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/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	1000V(IEC)/1000V(UL)
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	1452pcs	610pcs
Package	2pcs/carton	2pcs/carton
Package Number	726cartons	305cartons

