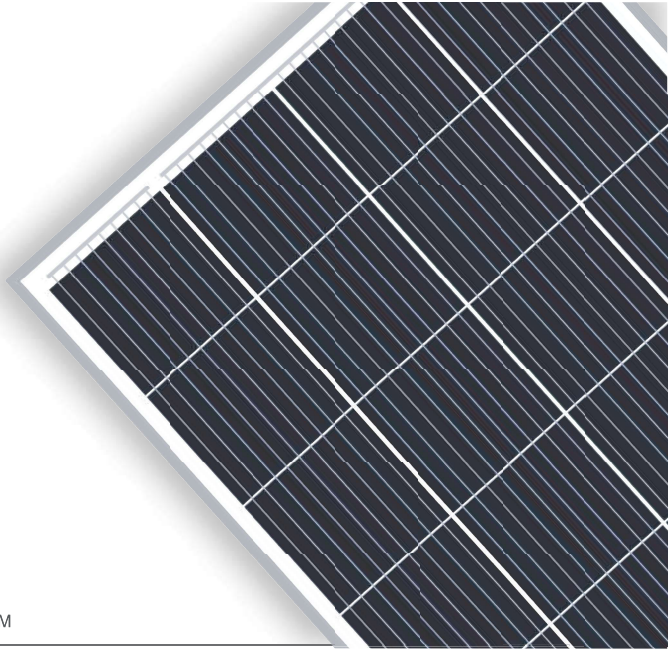
Quality Maker®

Restarsolar

Restarsolar, power the life

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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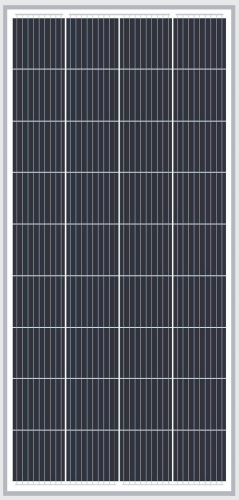
RTM175-195M

36 Cells
Mono-crystalline 9BB

175-195W
Power output

19.12%
The Highest Efficiency

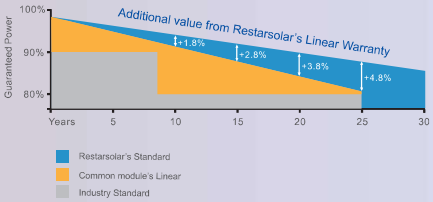
0~+5W
Tolerance



RTM175-195M is a robust solar module with 36 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Restarsolar's modules meet the highest quality standards possible

- **High module conversion efficiency (up to 19.12%), through superior manufacturing technology**
- **Guaranteed 0-+5W positive power output tolerance ensures high reliability**
- **Anti-reflective,hydrophobic coating improves light absorption and reduces surface dust**
- **Excellent performance under low light environments (mornings,evenings and cloudy days)**
- **Suitable for harsh environments,such as coasts, deserts and lakes Withstand high level of wind loads(2400pa) and snow loads(5400pa)**

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

ISO9001 TUV PID-FREE CE IEC61215/61730/61701/62716

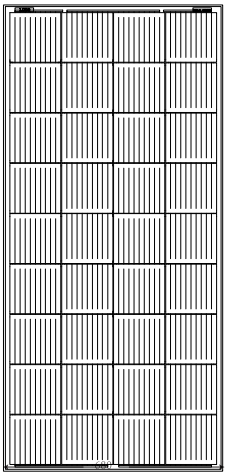
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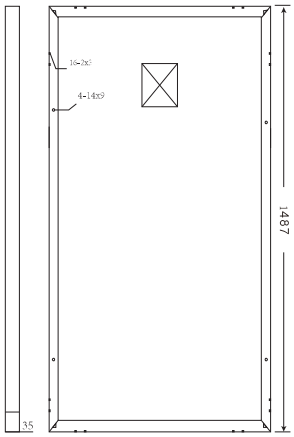
RTM175-195M

GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

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Dimension of PV Modules Unit: mm





ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	175W	180W	185W	190W	195W
Open Circuit Voltage-Voc(V)	23.43V	23.74V	24.05V	24.36V	24.67V
Short Circuit Current-Isc(A)	9.51A	9.62A	9.73A	9.88A	9.99A
Maximum Power Voltage-Vmp(V)	18.95V	19.36V	19.77V	20.18V	20.57V
Maximum Power Current-Imp(A)	9.24A	9.30A	9.36A	9.42A	9.48A
Module Efficiency (%)	17.16%	17.65%	18.14%	18.63%	19.12%

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NOCT)

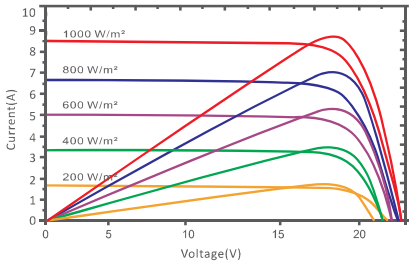
Maximum Power-Pmax (Wp)	130.6W	134.3W	138.0W	141.7W	145.5W
Open Circuit Voltage-Voc (V)	21.98V	22.27V	22.56V	22.85V	23.14V
Short Circuit Current-Isc (A)	7.68A	7.77A	7.86A	7.98A	8.07A
Maximum Power Voltage-Vmp(V)	17.62V	18.00V	18.39V	18.77V	19.13V
Maximum Power Current-Imp(A)	7.41A	7.46A	7.51A	7.55A	7.60A

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

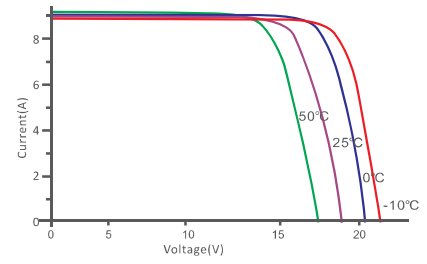
MECHANICAL DATA

Solar cells	Mono-crystalline 158.75x158.75mm, 9 Bus bars
Cell configuration	36 cells(4x9)
Module dimensions	1487x666x35mm
Weight	12KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 2 or 3 Diodes
Cable	4mm2(IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/carton

I-V characteristics at different irradiations



I-V characteristics at different temperature



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)/600V(UL)
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

PACKAGING CONFIGURATION

	40HQ	20GP
Number of modules per container	1680pcs	656pcs
Package	2pcs/carton	2pcs/carton
Package Number	840cartons	328carton