



RT8S-M

36 Cells

Mono-crystalline 11BB

250-300W

Power output

22.78%

The Highest Efficiency

0~+5W

Tolerance

www.restarsolar.com

RT8S-M 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.



High Reliability

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



Anti-PID Resistance

Prominent anti-PID 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.

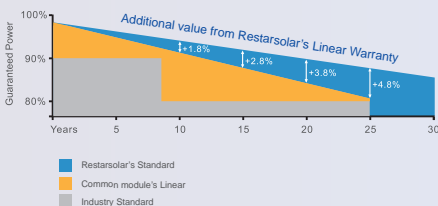


High Mechanical Strength

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



0.5% Annual Degradation over 30 years



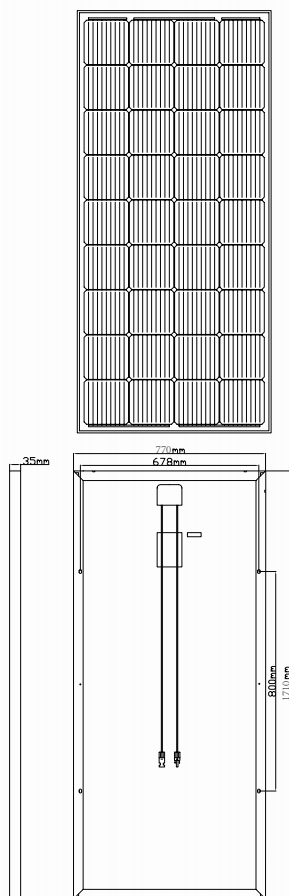
LINEAR PERFORMANCE WARRANTY
12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems

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



Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	250	255	260	265	270	275	280	290	300
Open Circuit Voltage-Voc(V)	24.05	24.15	24.35	24.55	24.75	24.95	25.10	25.30	25.50
Short Circuit Current-Isc(A)	13.50	13.65	13.74	13.83	13.91	14.00	14.11	14.35	14.59
Maximum Power Voltage-Vmp (V)	20.13	20.24	20.43	20.61	20.79	20.98	21.15	21.34	21.54
Maximum Power Current-Imp(A)	12.42	12.60	12.73	12.86	12.99	13.11	13.24	13.59	13.93
Module Efficiency (%)	18.99%	19.37%	19.75%	20.13%	20.51%	20.89%	21.27%	22.02%	22.78%

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)	186.51	190.25	194.02	197.72	201.47	205.19	208.90	216.35	223.84
Open Circuit Voltage-Voc (V)	22.53	22.63	22.82	23.00	23.19	23.38	23.52	23.71	23.89
Short Circuit Current-Isc (A)	10.91	11.03	11.10	11.17	11.24	11.31	11.40	11.59	11.79
Maximum Power Voltage-Vmp(V)	18.75	18.85	19.03	19.19	19.36	19.54	19.70	19.87	20.06
Maximum Power Current-Imp(A)	9.95	10.09	10.20	10.30	10.40	10.50	10.61	10.89	11.16

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

MECHANICAL DATA

Solar cells	Mono-crystalline 182X182mm, 11 Bus bars
Cell configuration	36cells(4x9)
Module dimensions	1710x770x35mm
Weight	14.5KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 2 or 3 diodes
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/carton

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

