



RT9H-M-DG

132 Cells

Mono Topcon 18 BB

725-750W

Power output

24.14%

The Highest Efficiency

0 ~ +5W

Tolerance

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RT9H-M-DG

RT9H-M-DG HALF-CELL 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. Combined with half-cell technology, the module is highly resistant to hot-spot crisis caused by shadow effect.



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.



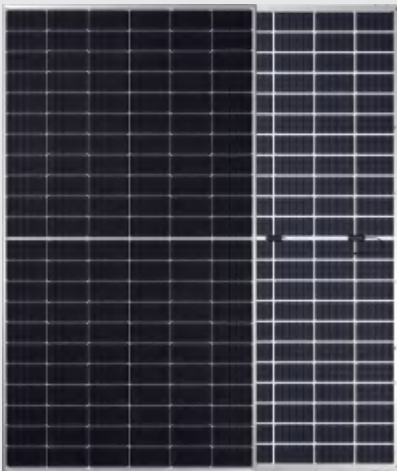
Low-Light Performance

With high transmittance and anti-reflective 2.0+2.0mm tempered glass, the module has stronger performance under low light circumstances.

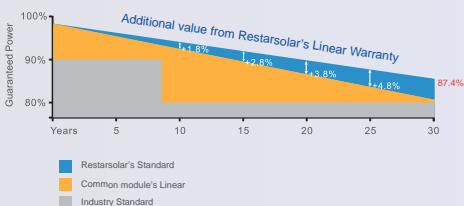


High Mechanical Strength

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



0.42% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

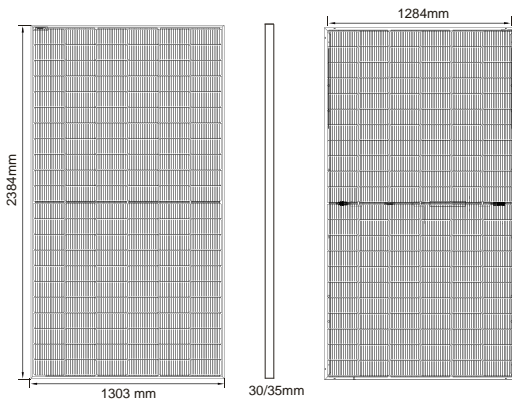
30 Year Linear Power Warranty

Full range of products and certification systems

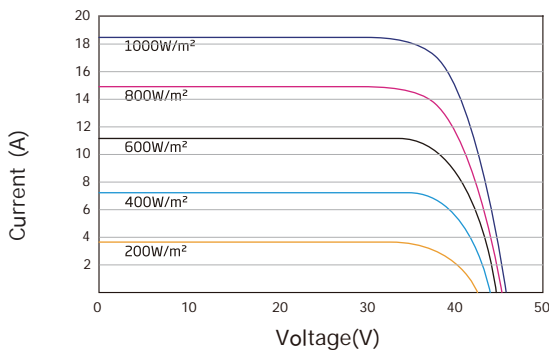
ISO 9001/14001 TUV PID-FREE CE IEC 61215/61730/61701/62716



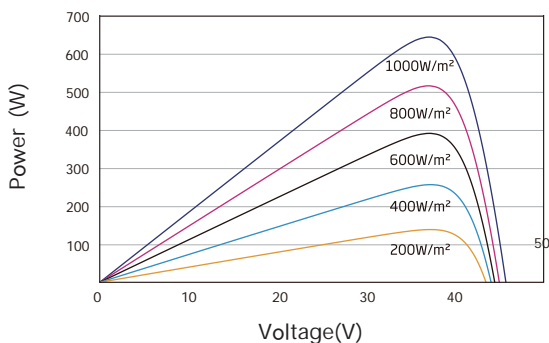
Dimension of PV Modules Unit: mm



I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



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ELECTRICAL DATA(STC)

	725	730	735	740	745	750
Rated Power in Watts-Pmax(Wp)	725	730	735	740	745	750
Open Circuit Voltage-Voc(V)	49.60	49.80	50.00	50.20	50.40	50.60
Short Circuit Current-Isc(A)	18.52	18.56	18.60	18.63	18.67	18.70
Maximum Power Voltage-Vmp(V)	41.50	41.70	41.90	42.10	42.30	42.50
Maximum Power Current-Imp(A)	17.47	17.51	17.55	17.58	17.62	17.65
Module Efficiency	23.34%	23.50%	23.66%	23.82%	23.98%	24.14%

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

ELECTRICAL DATA(NOCT)

	554	558	562	566	570	574
Maximum Power-Pmax(Wp)	554	558	562	566	570	574
Open Circuit Voltage-Voc (V)	46.87	47.06	47.25	47.44	47.63	47.82
Short Circuit Current-Isc(A)	14.96	15.00	15.03	15.05	15.09	15.11
Maximum Power Voltage-Vmp(V)	39.01	39.20	39.39	39.57	39.76	39.95
Maximum Power Current-Imp(A)	14.20	14.24	14.27	14.30	14.34	14.37

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

INTEGRATED PWER @ STC (REFERENCE TO 10%)

	797	803	808	814	819	825
Maximum Power-Pmax(Wp)	797	803	808	814	819	825
Open Circuit Voltage-Voc (V)	49.60	49.80	50.00	50.20	50.40	50.60
Short Circuit Current-Isc(A)	20.34	20.38	20.42	20.46	20.50	20.54
Maximum Power Voltage-Vmp(V)	41.50	41.70	41.90	42.10	42.30	42.50
Maximum Power Current-Imp(A)	19.21	19.25	19.29	19.33	19.37	19.41
Module Efficiency	29.48%	29.70%	29.89%	30.11%	30.29%	30.52%
BNPI/Isc(BSI)	22.96	23.01	23.06	23.10	23.15	23.19

MECHANICAL DATA

Solar Cells	Mono-crystalline 210*105mm,18/Busbars
Cell Configuration	132cells(6*22)
Module Dimensions	2384*1303*35mm/30mm
Weight	38.5kg/37.6kg
Front Cover	2.0+2.0mm Tempered Glass
J-Box	IP68
Cable	4mm ² (IEC)/12AWG(UL),300mm+300mm
Connectors	MC4 or MC4 Comparable

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.25%/C
Temperature Coefficient of Isc	0.045%/C
Temperature Coefficient of Pmax	-0.30%/C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40HQ
Number of modules per container	648/558 pcs
Package	36/31 pcs/pallet
Package Number	18 pallets
Package Weight	1378/1219 kg/pallet
Package Dimension	1325*1130*2520mm/pallet