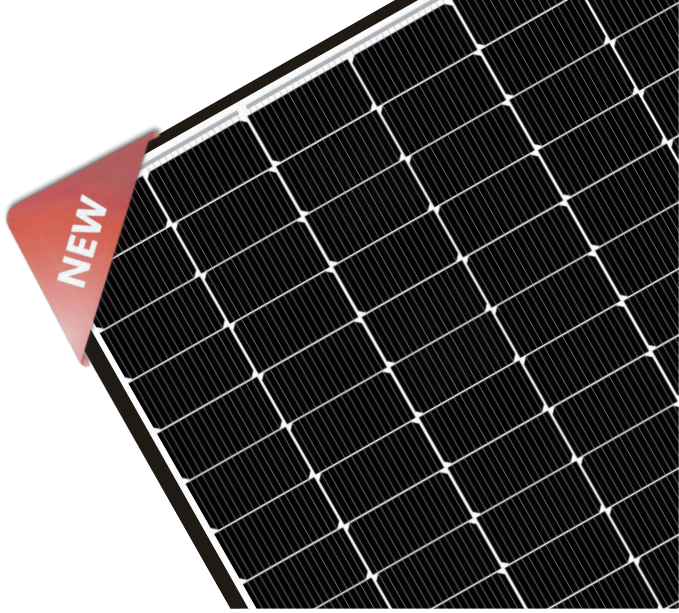
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GLOBALPROFESSIONAL PVPRODUCTS INTEGRATED SOLUTIONS SUPPLIER



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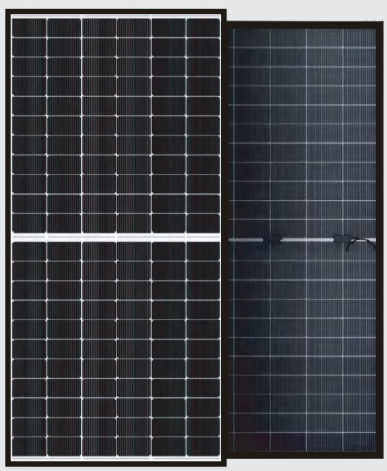
RT8H-M-DG

132 Cells
Mono Topcon 16 BB

595-630W
Power output

23.32%
The Highest Efficiency

0~+5W
Tolerance



RT8H-M-DG Black Frame

RT8H-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.

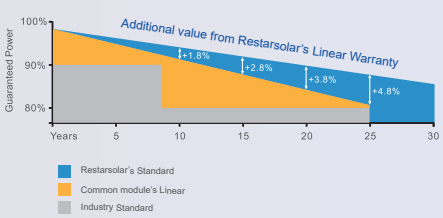
Durability Against Extreme Conditions
Certified to resist high salt mist and ammonia conditions.

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).

0.5% 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

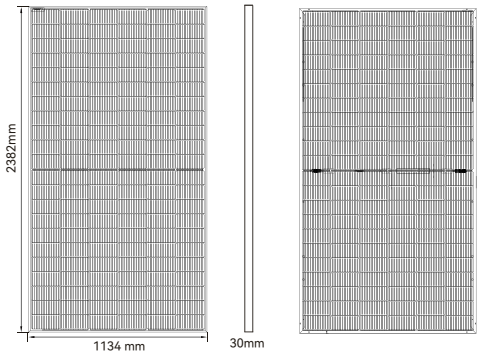
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RT8H-M-DG
Black Frame

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Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	595	600	605	610	615	620	625	630
Open Circuit Voltage-Voc(V)	48.10	48.30	48.50	48.70	48.90	49.10	49.30	49.50
Short Circuit Current-Isc(A)	15.68	15.73	15.78	15.83	15.88	15.93	15.98	16.03
Maximum Power Voltage-Vmp(V)	40.18	40.38	40.58	40.78	40.98	41.17	41.37	41.56
Maximum Power Current-Imp(A)	14.81	14.86	14.91	14.96	15.01	15.06	15.11	15.16
Module Efficiency	22.03%	22.21%	22.40%	22.58%	22.77%	22.95%	23.14%	23.32%

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

ELECTRICAL DATA(NOCT)

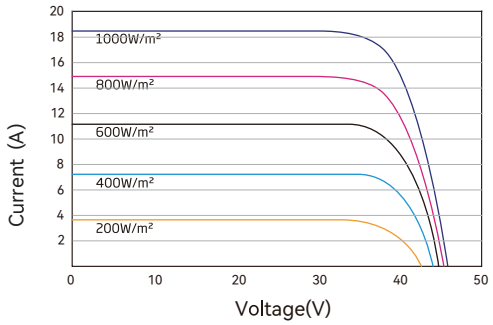
Maximum Power-Pmax(Wp)	453	457	461	465	469	473	477	481
Open Circuit Voltage-Voc (V)	45.07	45.26	45.44	45.63	45.82	46.01	46.19	46.38
Short Circuit Current-Isc(A)	12.67	12.71	12.75	12.79	12.83	12.87	12.91	12.95
Maximum Power Voltage-Vmp(V)	37.69	37.88	38.06	38.25	38.44	38.62	38.81	38.98
Maximum Power Current-Imp(A)	12.02	12.07	12.11	12.16	12.20	12.25	12.29	12.34

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

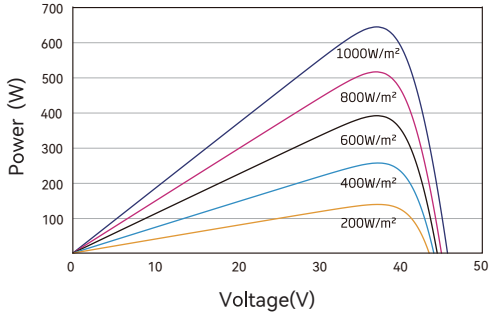
INEGRATED PWER @ STC (REFRENCE TO 10%)

Maximum Power-Pmax(Wp)	654	660	665	671	676	682	688	693
Open Circuit Voltage-Voc (V)	48.10	48.30	48.50	48.70	48.90	49.10	49.30	49.50
Short Circuit Current-Isc(A)	17.24	17.30	17.35	17.41	17.46	17.52	17.58	17.64
Maximum Power Voltage-Vmp(V)	40.18	40.38	40.58	40.78	40.98	41.17	41.37	41.56
Maximum Power Current-Imp(A)	16.28	16.34	16.39	16.45	16.50	16.57	16.63	16.67
Module Efficiency	24.21%	24.43%	24.62%	24.84%	25.03%	25.25%	25.47%	25.66%
BNPI/Isc(BSI)	19.44	19.51	19.57	19.63	19.69	19.75	19.82	19.88

I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



MECHANICAL DATA

Solar Cells	Mono-crystalline 182*105mm,16/Busbars
Cell Configuration	132cells(6*22)
Module Dimensions	2382 * 1134 * 30mm
Weight	32.4kg
Front Cover	2.0+2.0 mm Tempered Glass
J-Box	IP68
Cable	4mm²(IEC)/12AWG(UL),300mm+300mm, or customized
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	0.04%/C
Temperature Coefficient of Pmax	-0.29%/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	740 pcs
Package	37 pcs/pallet
Package Number	20 pallets
Package Weight	1243 kg/pallet
Package Dimension	2390*1130*1270 mm/pallet

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