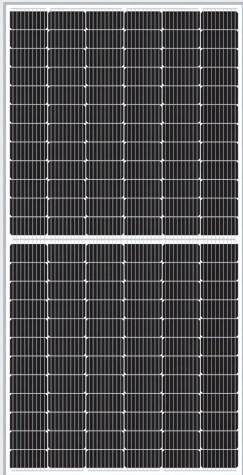


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144 Cells

Mono Topcon 16/18BB

585W

Power output

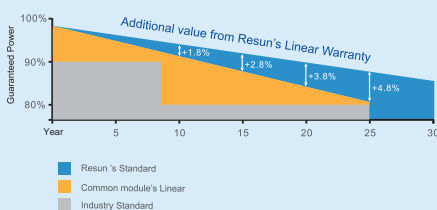
22.65%

The Highest Efficiency

0~ +5W

Tolerance

**0.5% Annual Degradation
over 30 years**



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

RS8I-M-F30 TOPCON

RS8I-M 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 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 14001 TUV PID-FREE CE IEC61215/61730/61701/62716

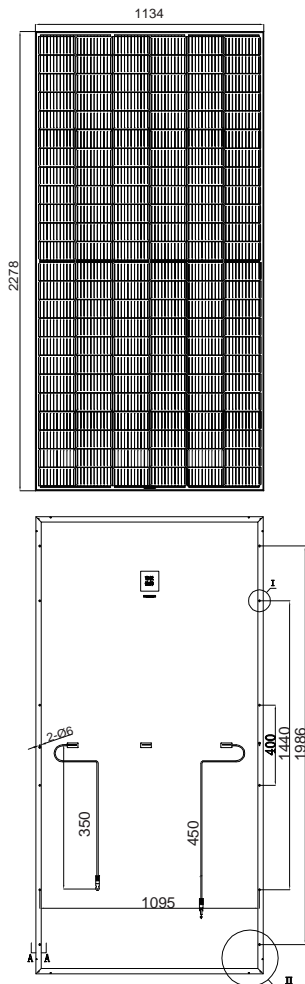


RS8I585M-F30



GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	585W
Open Circuit Voltage-Voc(V)	50.80V
Short Circuit Current-Isc(A)	14.42A
Maximum Power Voltage-Vmp(V)	42.87V
Maximum Power Current-Imp(A)	13.65A
Module Efficiency(%)	22.65%

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

ELECTRICAL DATA(NOCT)

Rated Power in Watts-Pmax(Wp)	444W
Open Circuit Voltage-Voc(V)	47.59V
Short Circuit Current-Isc(A)	11.44A
Maximum Power Voltage-Vmp(V)	40.62V
Maximum Power Current-Imp(A)	10.93A

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

MECHANICAL DATA

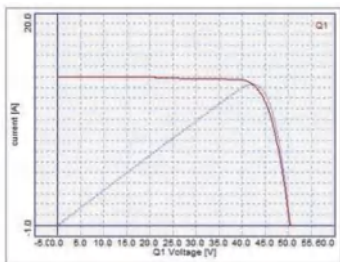
Solar Cells	Mono-crystalline 182*91mm, 16BB or 18BB
Cell Configuration	144cells(6x24)
Module Dimensions	2278x1134x30mm
Weight	27.2KGS
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68, 3 Diodes
Cable	4mm2(IEC)/12AWG(UL), 300mm(+)/300mm(-) or customized
Connectors	MC4 or MC4 Comparable
Standard Packaging	37pcs/Pallet

TEMPERATURE & MAXIMUM RATINGS

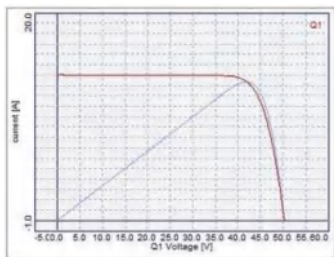
Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	- 0.24% /°C
Temperature Coefficient of Isc	0.048%/°C
Temperature Coefficient of Pmax	- 0.29%/°C
Operational Temperature	- 40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	25A

PACKAGING CONFIGURATION

	40HQ
Number of modules per container	740pcs
Package	37pcs/pallet
Package Number	20pallets
Package Weight	1045kg/pallet
Package Dimension	2310*1130*1270mm/pallet



I-V CURVES OF PV MODULE(575W)



P-V CURVES OF PV MODULE (575W)

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