

# RTM100-120M

**33 Cells**

Mono Topcon 16BB

**120W**

Power output

**20.28%**

The Highest Efficiency

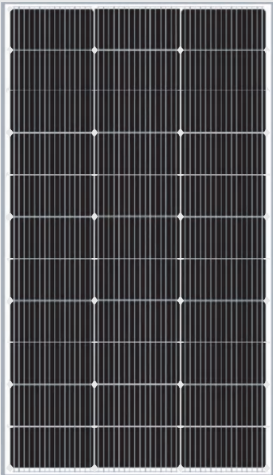
**0 ~ +5W**

Tolerance

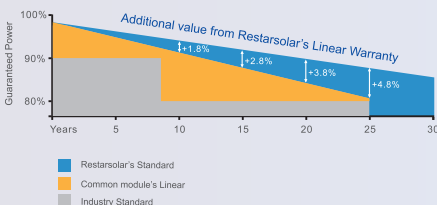
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## RTM100-120M Topcon

RTMXXXM N-type Mono Module 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.



### 0.5% Annual Degradation over 30 years



#### LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty



High module conversion efficiency (up to 20.28%), through superior manufacturing technology



Guaranteed  $\pm 3\%$  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)



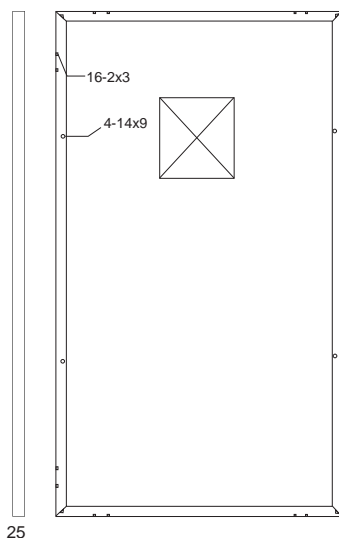
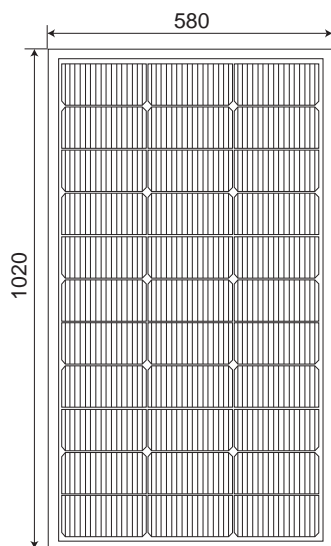
Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

### Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716



Dimension of PV Modules Unit: mm



### ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	100	110	120
Open Circuit Voltage-Voc(V)	22.40	22.60	22.80
Short Circuit Current-Isc(A)	5.78	6.26	6.73
Maximum Power Voltage-Vmp(V)	18.70	18.90	19.10
Maximum Power Current-Imp(A)	5.35	5.83	6.29
Module Efficiency (%)	16.90%	18.59%	20.28%

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

### ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	74.63	82.20	89.62
Open Circuit Voltage-Voc (V)	20.99	21.18	21.36
Short Circuit Current-Isc (A)	4.67	5.06	5.44
Maximum Power Voltage-Vmp (V)	17.42	17.60	17.79
Maximum Power Current-Imp (A)	4.29	4.67	5.04

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar cells	Mono-crystalline 182*85mm, 16 Bus bars
Cell configuration	33 cells(3*11)
Module dimensions	1020*580*25mm
Weight	5.9kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 or IP68, 3 Diodes
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 800mm
Connectors	MC4 or MC4 Compatible

### 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	-0.35%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(IEC)/1000V(UL)
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

### PACKAGING CONFIGURATION

5pcs/carton
580cartons/40HQ=2900pcs