

> **RMHT72/565~585S1**
565~585 Watt

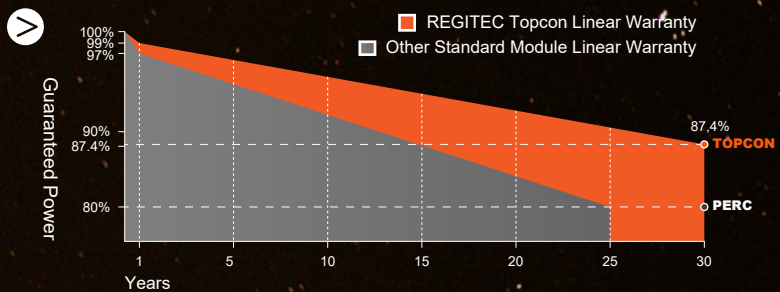
182mm 16BB mono 144Cells

TOPCon PV Module










BLACK *BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

> **25** years product warranty




30 years performance warranty



> **PRODUCT FEATURE**

- 
 High transmissivity, low-iron tempered glass.
- 
 SMBB Technology Half Cut Topcon Cell
- 
 Excellent performance in low-light environments
- 
 High quality junction box and connector systems
- 
 100% inspection, to guarantee the reliability of solar systems
- 
 Anti LID
- 
 Anti PID
- 
 Lower temperature coefficient
- 
 Quality RFID Tracking

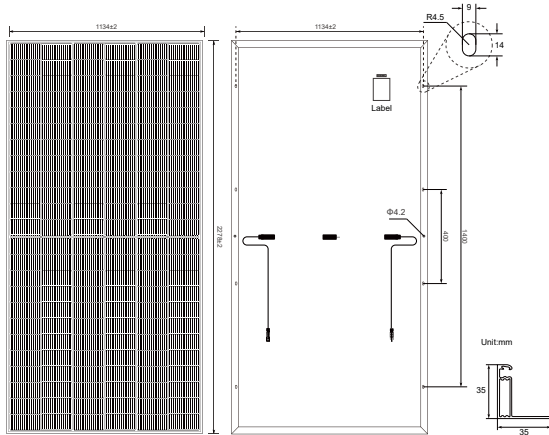
> **MANAGEMENT SYSTEM**

-  **ISO 9001:**
 Quality management system
-  **ISO 14001:**
 Standard for environmental management system
-  **OHSAS 18001:**
 International standard for occupational health and safety assessment system

> **PRODUCT CERTIFICATES**



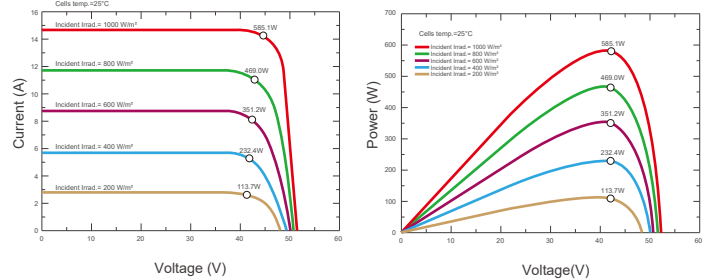
Dimension Drawing



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact REGITEC.

I-V Graph

Current-Voltage & Power-Voltage Curves (RMHT72/585S1)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT72/565S1		RMHT72/570S1		RMHT72/575S1		RMHT72/580S1		RMHT72/585S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	565	425	570	429	575	432	575	434	575	438
Open Circuit Voltage - Voc(V)	50.60	48.06	50.74	48.20	50.88	48.33	51.02	48.47	51.16	48.61
Short- Circuit Current - Isc(A)	14.23	11.49	14.31	11.55	14.39	11.62	14.47	11.69	14.55	11.76
Voltage at Pmax -Vmp(V)	41.92	39.38	42.07	39.51	42.22	39.60	42.37	39.69	42.52	39.78
Current at Pmax - Imp(A)	13.48	10.79	13.55	10.85	13.62	10.92	13.69	10.99	13.76	11.06
Module Efficiency -ηm(%)	21.87	/	22.07	/	22.26	/	22.45	/	22.65	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	25A									

STC : Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800 W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2278x1134x35mm
Weight	28kg
Solar Cells	Mono crystalline 182mm (2x72pcs)
Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 100cm (+), 100cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	2278x1134x35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

Temperature Characteristics

Pmax Temperature Coefficient	-0.300%/°C
Voc Temperature Coefficient	-0.25%/°C
Isc Temperature Coefficient	+0.04%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C