

➤ **RMHT72/545~585S2**  
**545~585 Watt**

182mm 16BB mono 144Cells

**TOPCon Bifacial PV Module**

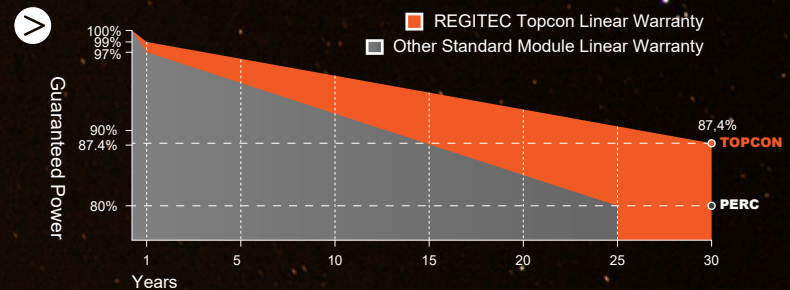
Glass/Glass Design

**BLACK**

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

➤ **30** years product warranty

**30** years performance warranty



➤ **PRODUCT FEATURE**



Bifaciality >85%



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

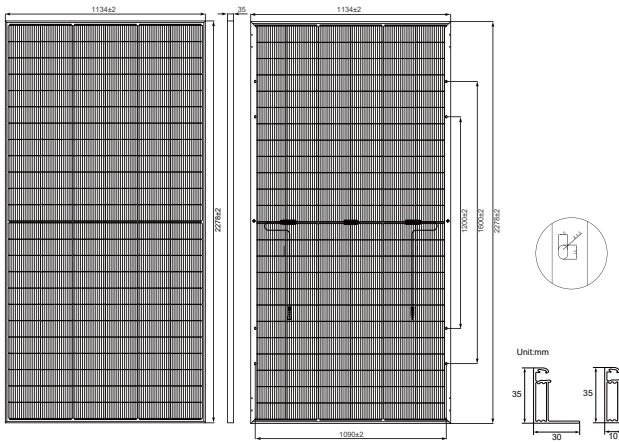
➤ **PRODUCT CERTIFICATES**



Solutions



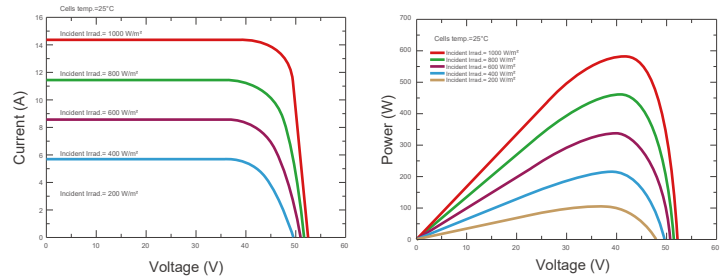
## Dimension Drawing



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 (RMHT72/585S2)



## Electrical Characteristics (STC/NOCT)

Module Type	RMHT72/545S2		RMHT72/550S2		RMHT72/555S2		RMHT72/560S2		RMHT72/565S2		RMHT72/570S2		RMHT72/575S2		RMHT72/580S2		RMHT72/585S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	545	408	550	412	555	416	560	421	565	425	570	429	575	432	580	436	585	440
Open Circuit Voltage - Voc(V)	50.04	47.53	50.18	47.66	50.32	47.79	50.67	48.13	50.87	48.32	51.07	48.51	51.27	48.70	51.47	48.89	51.67	49.08
Short- Circuit Current - Isc(A)	13.90	11.16	13.98	11.25	14.06	11.32	14.13	11.41	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.60	14.43	11.75
Voltage at Pmax -Vmp(V)	41.32	38.91	41.48	39.02	41.64	39.15	41.96	39.39	42.14	39.54	42.30	39.65	42.44	39.78	42.60	39.86	42.76	39.94
Current at Pmax - Imp(A)	13.19	10.49	13.26	10.56	13.33	10.63	13.35	10.69	13.41	10.75	13.48	10.82	13.55	10.86	13.62	10.94	13.69	11.04
Module Efficiency -ηm(%)	21.10	/	21.29	/	21.48	/	21.68	/	21.87	/	22.07	/	22.26	/	22.45	/	22.64	/
Power Tolerance(W)	(0~+4.99W)																	
Maximum System Voltage(V)	15000Vdc (IEC / UL)																	
Maximum Series Fuse Rating (A)	25A																	

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	2278x1134x35mm
Weight	28kg
Solar Cells	TOPCon mono crystalline 182x91mm (2x72pcs)
Glass	AR Coated 2+2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , 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	-0.250%/°C
Isc Temperature Coefficient	+0.04%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C