

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

182mm 16BB mono 144Cells

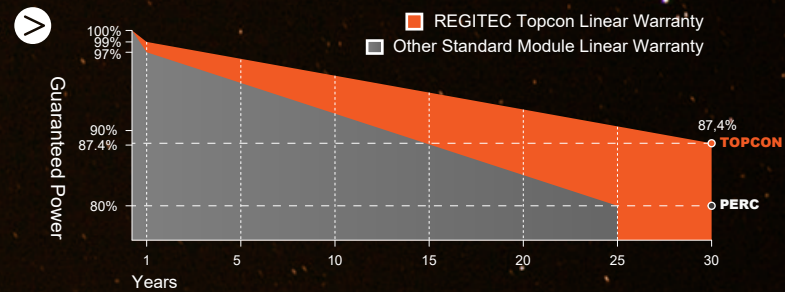
TOPCon Bifacial PV Module
 Glass/Glass Design

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

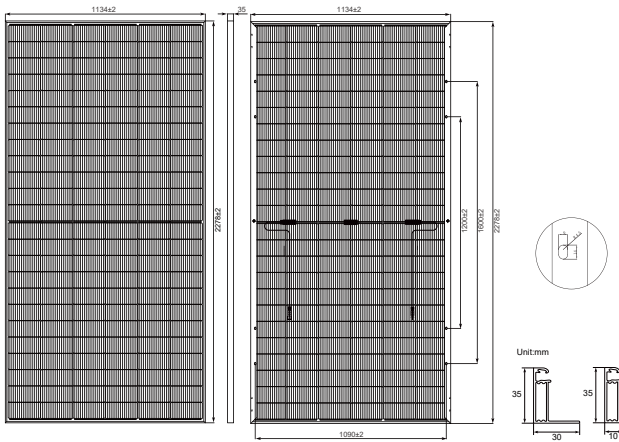


OHSAS 18001: International standard for occupational health and safety assessment system

> **PRODUCT CERTIFICATES**



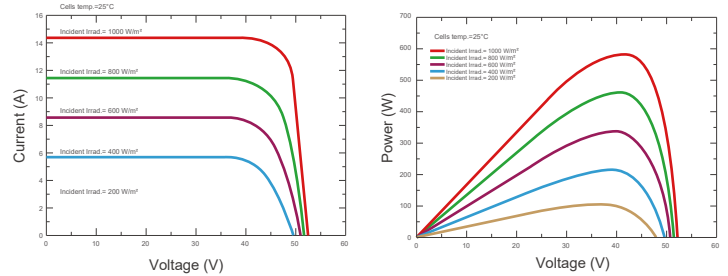
Dimension Drawing



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)	1500Vdc (IEC / UL)																	
Maximum Series Fuse Rating (A)	25A																	

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

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

Mechanical Specifications

External Dimensions	2278x1134x35mm
Weight	28kg
Solar Cells	TOPCon mono crystalline 182mm (2x72pcs)
Glass	AR Coated 2+2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 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