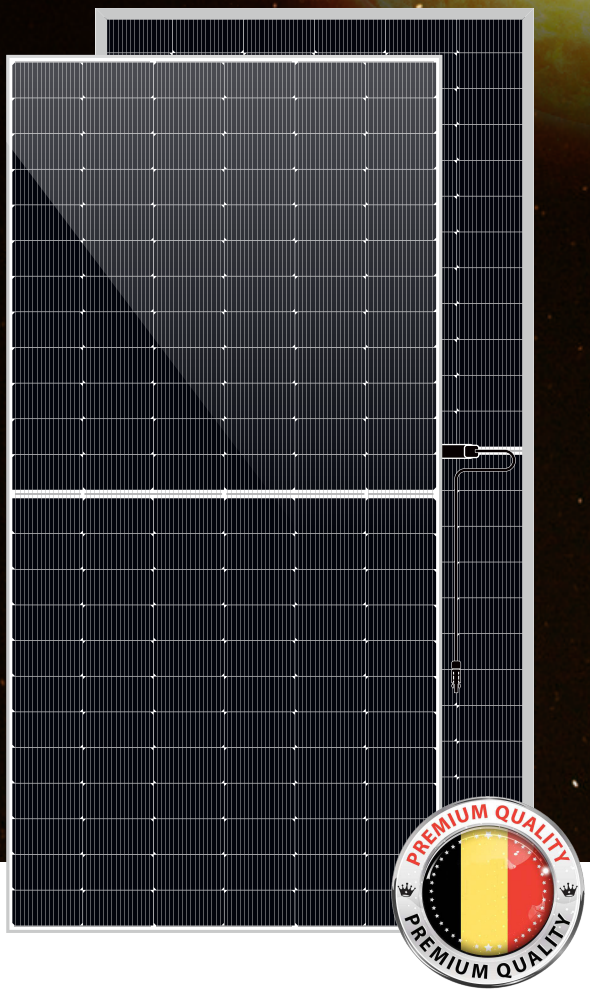
REGITEC

POWERING THE FUTURE



RMHT72/570~590S2

570~590 Watt

182mm 16BB mono 144Cells

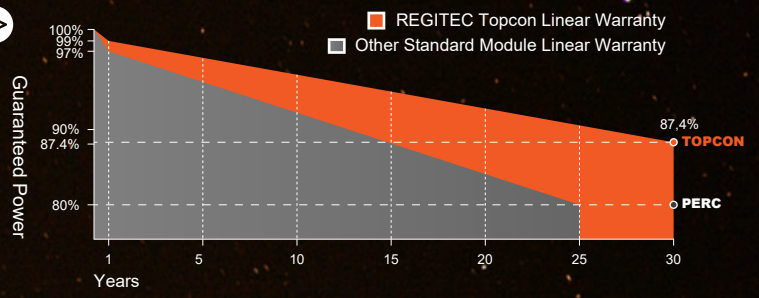
TOPCon Bifacial PV Module

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

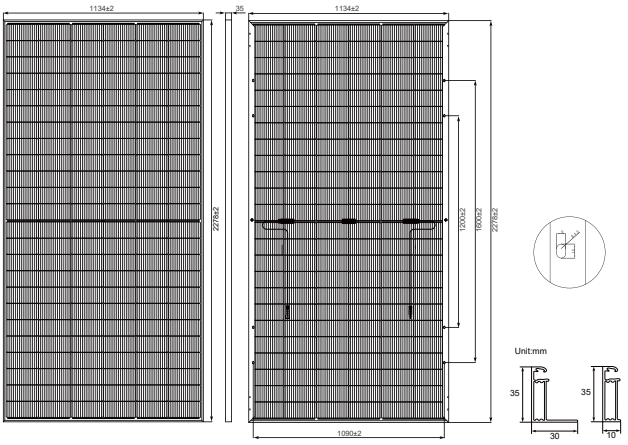
TÜV NORD Type Tested · CE · IEC · UL Solutions · RoHS Lead-free

REGITEC

RMHT72/570~590S2

182mm 16BB 144Cells Mono Half Cells
Glass/Glass TOPCon Bifacial PV Module

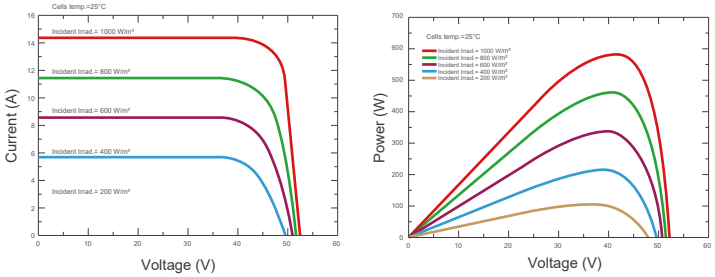
Dimension Drawing



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 (RMHT72/590S2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT72/570S2		RMHT72/575S2		RMHT72/580S1		RMHT72/585S1		RMHT72/590S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	570	429	575	432	580	434	585	438	590	444
Open Circuit Voltage - Voc(V)	50.74	48.20	50.88	48.33	51.02	48.47	51.16	48.61	51.87	49.27
Short- Circuit Current - Isc(A)	14.31	11.55	14.39	11.62	14.47	11.69	14.55	11.76	14.49	11.31
Voltage at Pmax -Vmp(V)	42.07	39.51	42.22	39.60	42.37	39.69	42.52	39.78	42.92	40.08
Current at Pmax - Imp(A)	13.55	10.85	13.62	10.92	13.69	10.99	13.76	11.06	13.75	11.08
Module Efficiency -ηm(%)	22.07	/	22.26	/	22.45	/	22.65	/	22.84	/
Power Tolerance(W)	(0~+4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	30A									

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	32kg
Solar Cells	N-Type 16BB 182x91mm (2x72pcs)
Glass	AR Coated 2+2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 100cm(+),100cm (-), length can be customized
Connector	Staübli MC4
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Rear Side Power Gain

Power Gain	10%	15%	20%	25%	30%
Maximum Power- Pmax(W)	649	678.5	708	737.5	767
Open Circuit Voltage - Voc(V)	51.87	51.87	51.87	51.87	51.87
Short- Circuit Current - Isc(A)	15.94	16.66	17.39	18.11	18.84
Voltage at Pmax -Vmp(V)	42.92	42.92	42.92	42.92	42.92
Current at Pmax - Imp(A)	15.13	15.81	16.50	17.19	17.88

Packing Configuration

	2320x1125x1254mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40～+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C