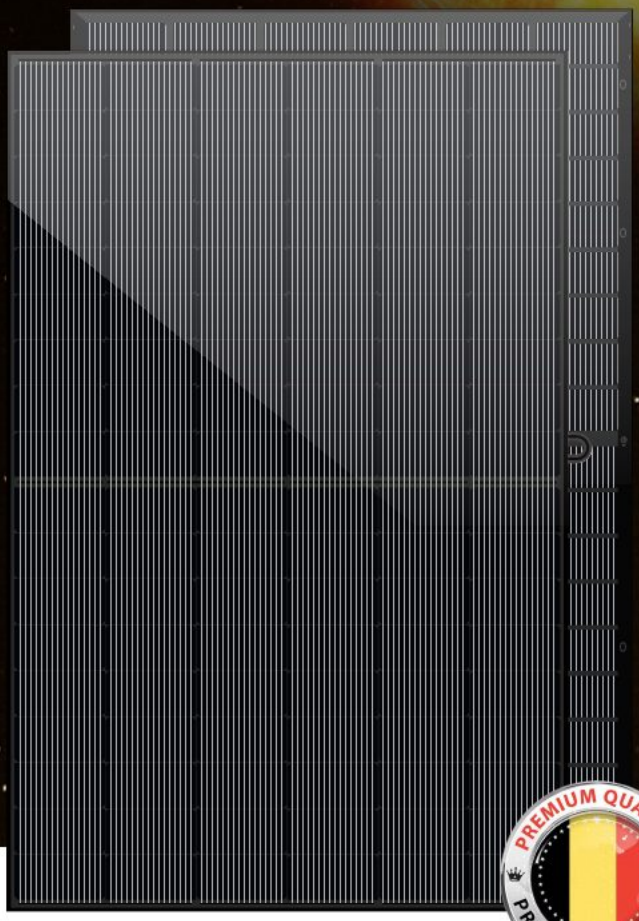
REGITEC

POWERING THE FUTURE



RMHT54/440~460AB2

440~460 Watt

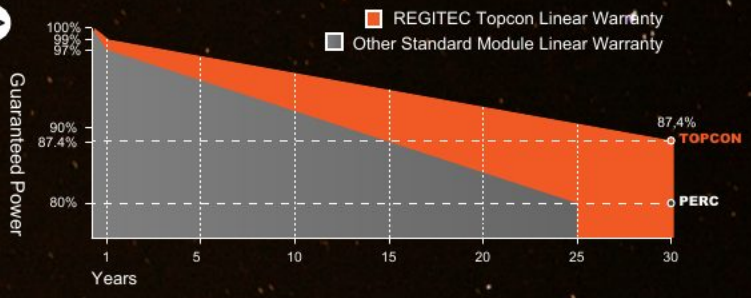
182mm 16BB mono 108Cells

TOPCon Bifacial PV Module

All Black Glass/Glass Design

30 years product warranty

30 years performance warranty



PREMIUM QUALITY

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

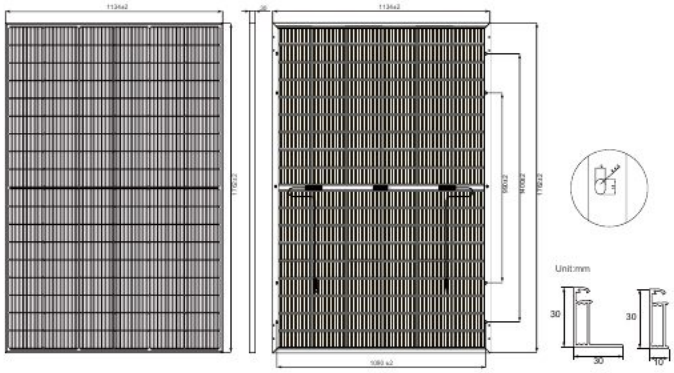
PRODUCT CERTIFICATES

REGITEC

RMHT54/440~460AB2

182mm 16BB 108Cells Mono Half Cells
Glass/Glass TOPCon Bifacial PV Module

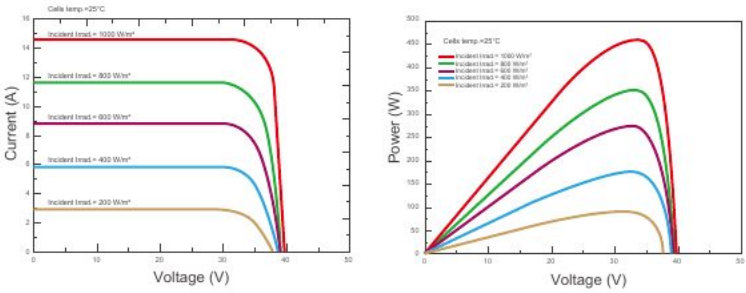
Dimension Drawing



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 (RMHT54/460AB2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/440AB2		RMHT54/445AB2		RMHT5/450AB2		RMHT54/455AB2		RMHT54/460AB2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	440	333.9	445	337.6	450	341.3	455	345	460	348.7
Open Circuit Voltage - Voc(V)	38.90	36.6	39.10	36.7	39.30	36.8	39.50	36.9	39.70	37.0
Short- Circuit Current - Isc(A)	14.31	11.59	14.40	11.65	14.48	11.71	14.56	11.77	14.64	11.83
Voltage at Pmax -Vmp(V)	32.47	30.5	32.65	30.7	32.82	30.9	33.00	31.1	33.17	31.3
Current at Pmax - Imp(A)	13.55	10.95	13.63	11.03	13.71	11.08	13.79	11.13	13.87	11.18
Module Efficiency -ηm(%)	22.00	/	22.30	/	22.50	/	22.80	/	23.00	/
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	1762x1134x30mm
Weight	22kg
Solar Cells	N-Type 16BB 182x94mm (2x54pcs)
Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1200mm (+),1200mm (-), 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)	495	517.5	540	562.5	585
Open Circuit Voltage - Voc(V)	39.40	39.51	39.62	39.73	39.85
Short- Circuit Current - Isc(A)	15.90	16.58	17.25	17.92	18.58
Voltage at Pmax -Vmp(V)	32.92	33.03	33.14	33.26	33.37
Current at Pmax - Imp(A)	15.04	15.67	16.29	16.91	17.53

Packing Configuration

	1762x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

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