

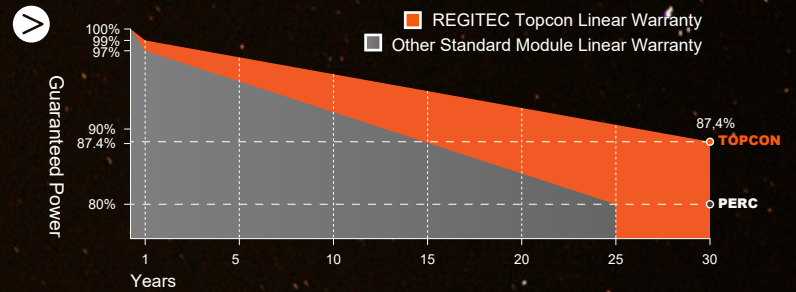
➤ **RMHT54/410~430AB2**  
**410~430 Watt**

182mm 16BB mono 108Cells

**TOPCon Bifacial PV Module**  
All Black Glass/Glass Design

➤ **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

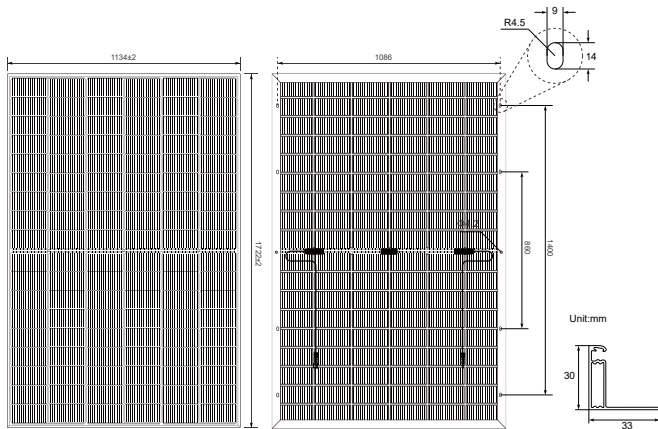


**OHSAS 18001:**  
International standard for occupational health  
and safety assessment system

➤ **PRODUCT CERTIFICATES**



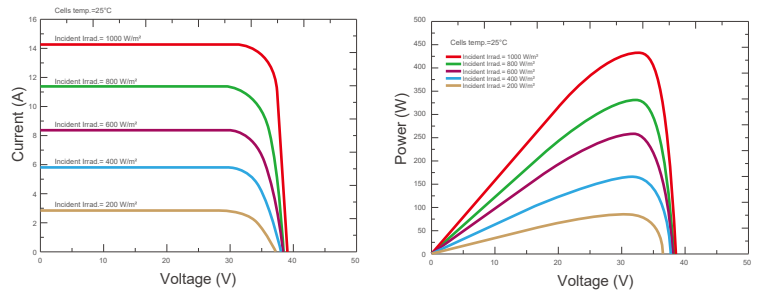
## Dimension Drawing



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 (RMHT54/430AB2)



## Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/410AB2		RMHT54/415AB2		RMHT54/420AB2		RMHT54/425AB2		RMHT54/430AB2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	410	308	415	312	420	316	425	320	430	323
Open Circuit Voltage - Voc(V)	37.73	35.84	37.92	36.02	38.11	36.20	38.30	36.38	38.49	36.56
Short- Circuit Current - Isc(A)	13.91	11.23	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49
Voltage at Pmax -Vmp(V)	31.13	29.06	31.32	29.21	31.51	29.34	31.70	29.50	31.88	29.63
Current at Pmax - Imp(A)	13.17	10.61	13.25	10.68	13.33	10.76	13.41	10.83	13.49	10.91
Module Efficiency -ηm(%)	21.00	/	21.25	/	21.51	/	21.76	/	22.02	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1000/1500Vdc (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	1722x1134x30mm
Weight	22kg
Solar Cells	Mono crystalline 182x91mm (2x54pcs)
Glass	Front ARC Solar Glass 1.6mm , Back Toughened Glass 1.6mm
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

## Rear Side Power Gain

Power Gain	10%	15%	20%	25%	30%
Maximum Power- Pmax(W)	473.0	494.5	516.0	537.5	554.0
Open Circuit Voltage - Voc(V)	38.60	38.70	38.80	38.80	38.90
Short- Circuit Current - Isc(A)	15.70	16.44	17.18	17.93	18.50
Voltage at Pmax -Vmp(V)	31.70	31.60	31.60	31.60	31.50
Current at Pmax - Imp(A)	14.94	15.64	16.33	17.04	17.58

## Packing Configuration

	1722x1134x30mm
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