

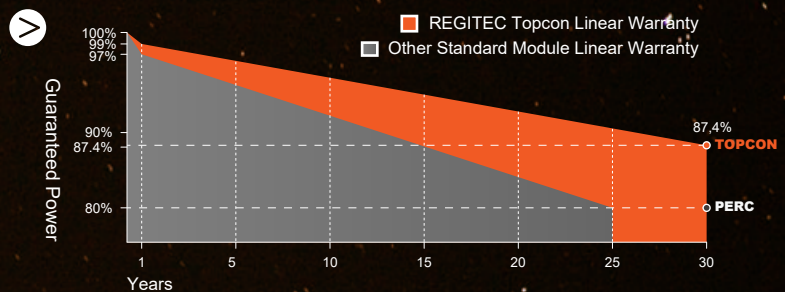
> **RMHT54/440~460B1**
440~460 Watt

182mm 16BB mono 108Cells Black Frame PV Solar Module
TOPCon PV Module

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

> **25** years product warranty

30 years performance warranty



> **PRODUCT FEATURE**

- High transmissivity, low-iron tempered glass
- 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

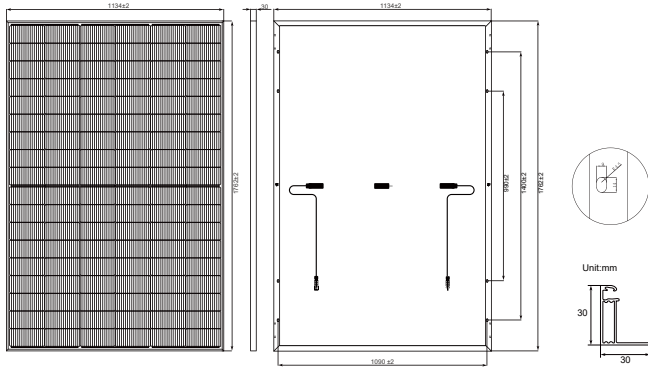
> **MANAGEMENT SYSTEM**

- 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**



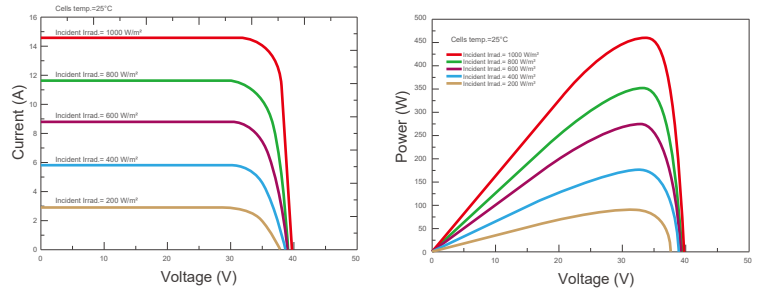
Dimension Drawing



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 (RMHT54/460B1)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/440B1		RMHT54/445B1		RMHT54/450B1		RMHT54/455B1		RMHT54/460B1	
	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 1000/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 TOPCon Mono crystalline 182x94mm (2x54pcs)
Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+),1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

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