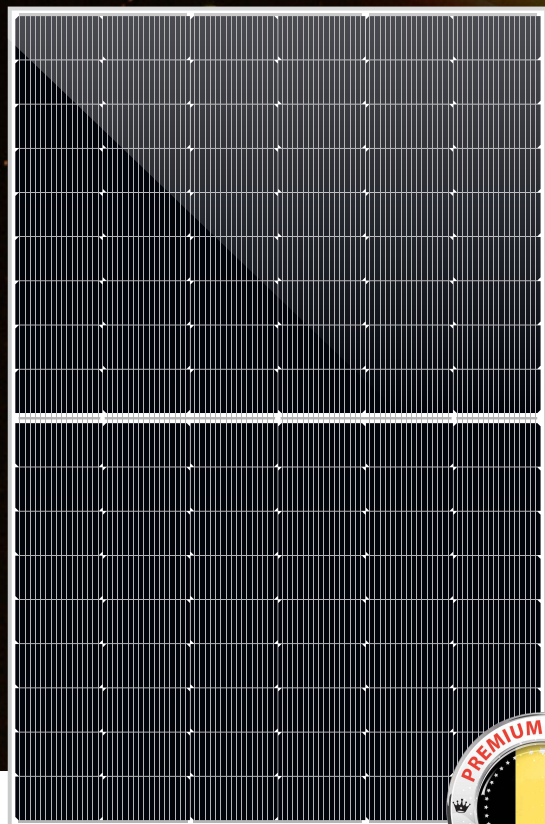




> RMHT54/420~440S1 420~440 Watt

182mm 16BB mono 108Cells

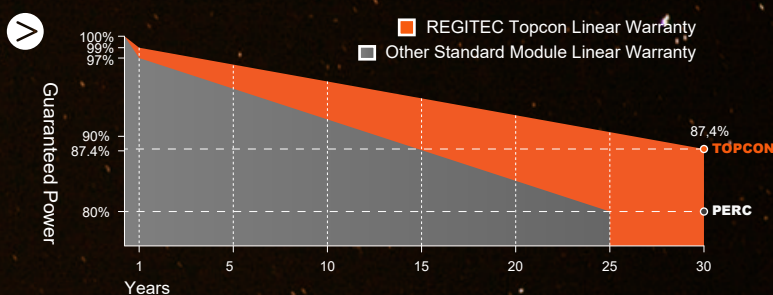
TOPCon PV Module

BLACK

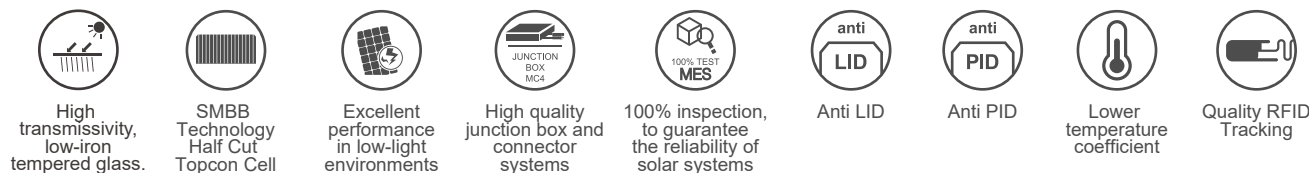
*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

> **25** years product warranty

30 years performance warranty



> PRODUCT FEATURE



> MANAGEMENT SYSTEM



ISO 9001:
Quality management system



ISO 14001:
Standard for environmental management system

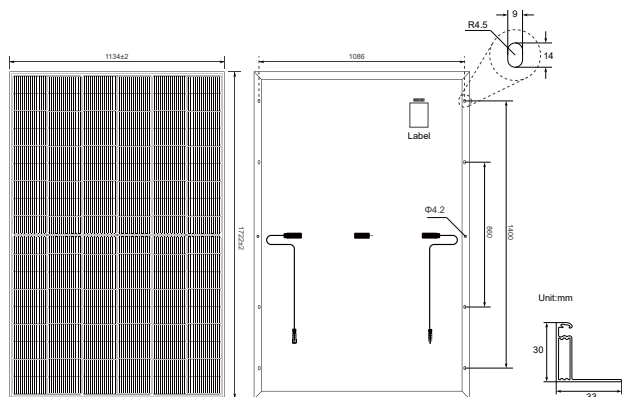


OHSAS 18001:
International standard for occupational health and safety assessment system

> PRODUCT CERTIFICATES



Dimension Drawing

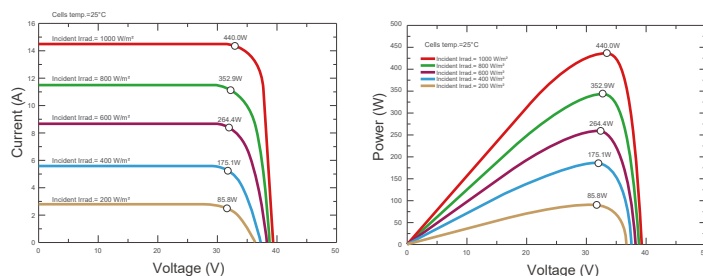


All Dimensions in mm

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 (RMHT54/440S1)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/420S1		RMHT54/425S1		RMHT54/430S1		RMHT54/435S1		RMHT54/440S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	420	319.1	425	322.8	430	326.5	435	330.2	440	333.9
Open Circuit Voltage - Voc(V)	38.11	36.1	38.3	36.2	38.49	36.4	38.68	36.5	38.87	36.6
Short- Circuit Current - Isc(A)	14.07	11.34	14.15	11.41	14.23	11.47	14.31	11.53	14.39	11.59
Voltage at Pmax -Vmp(V)	31.51	29.7	31.7	29.9	31.88	30.1	32.07	30.3	32.26	30.5
Current at Pmax - Imp(A)	13.33	10.74	13.41	10.8	13.49	10.87	13.57	10.9	13.64	10.95
Module Efficiency -ηm(%)	21.50	/	21.80	/	22.02	/	22.27	/	22.53	/
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	1722x1134x30mm
Weight	22kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 100cm (+), 100cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

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	-0.25%/°C
Isc Temperature Coefficient	+0.04%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C