

➤ **RMHT54/510~530AB2**
510~530 Watt

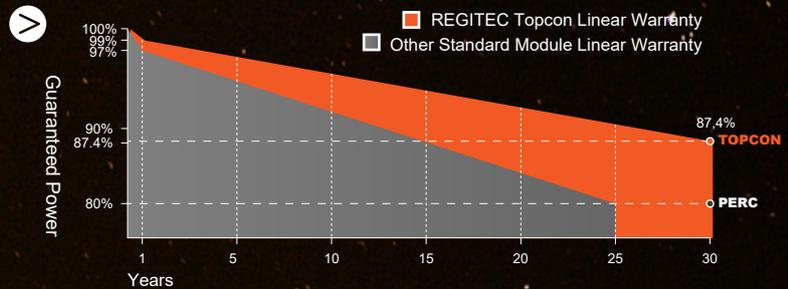
210R 16BB mono 108Cells

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% TEST
MES,
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

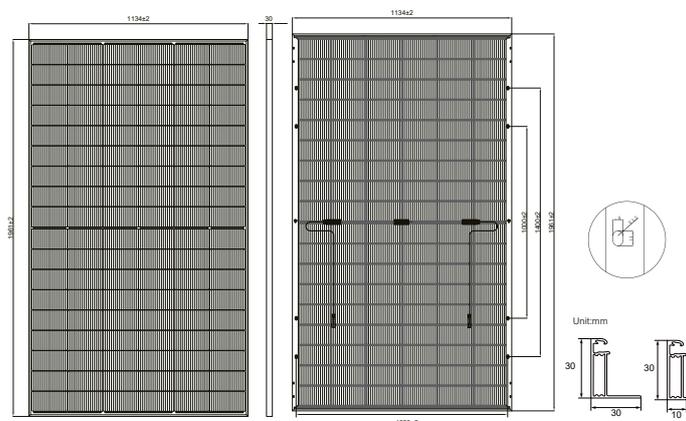


OHSAS 18001:
International standard for occupational health
and safety assessment system

➤ **PRODUCT CERTIFICATES**



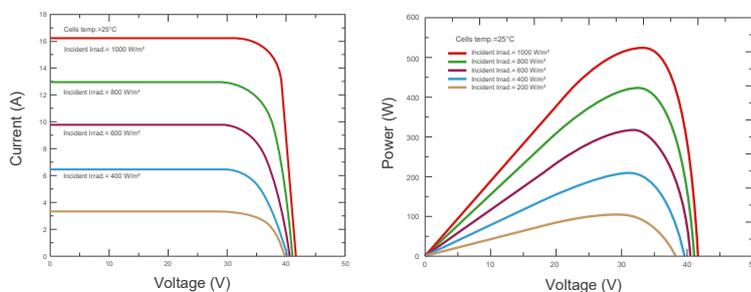
Dimension Drawing



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 (RMHT54/530AB2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/510AB2		RMHT54/515AB2		RMHT54/520AB2		RMHT54/525AB2		RMHT54/530AB2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	510	385.1	515	388.9	520	392.7	525	396.5	530	400.3
Open Circuit Voltage - Voc(V)	40.28	38.16	40.47	38.32	40.66	38.48	40.85	38.64	41.04	38.8
Short- Circuit Current - Isc(A)	16.05	13.01	16.10	13.07	16.15	13.13	16.20	13.19	16.25	13.25
Voltage at Pmax -Vmp(V)	33.48	31.28	33.63	31.41	33.78	31.54	33.93	31.67	34.08	31.80
Current at Pmax - Imp(A)	15.23	12.31	15.31	12.38	15.39	12.45	15.47	12.52	15.55	12.59
Module Efficiency -ηm(%)	22.93	/	23.16	/	23.38	/	23.61	/	23.84	/
Power Tolerance(W)	(0~+4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	30A									

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	1961x1134x30mm
Weight	23.9kg
Solar Cells	N-Type 16BB 182x105mm (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	Stäubli 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)	583	609.5	636	662.5	689
Open Circuit Voltage - Voc(V)	41.04	41.04	41.04	41.04	41.04
Short- Circuit Current - Isc(A)	17.88	18.69	19.5	20.31	21.13
Voltage at Pmax -Vmp(V)	34.08	34.08	34.08	34.08	34.08
Current at Pmax - Imp(A)	17.11	17.88	18.66	19.44	20.22

Packing Configuration

Pallet dimensions	1980x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	24
Pieces per Container	888

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