

> RMHT48/450~470AB2 450~470 Watt

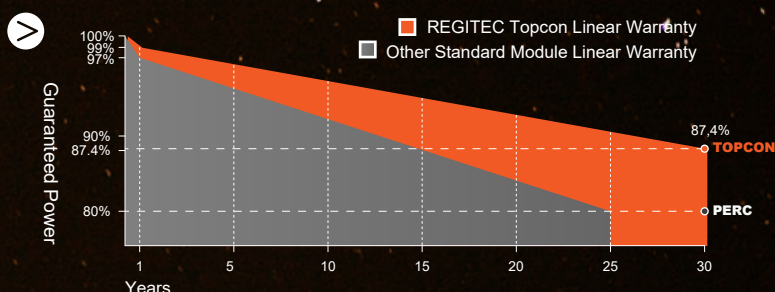
210R 16BB mono 96Cells

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



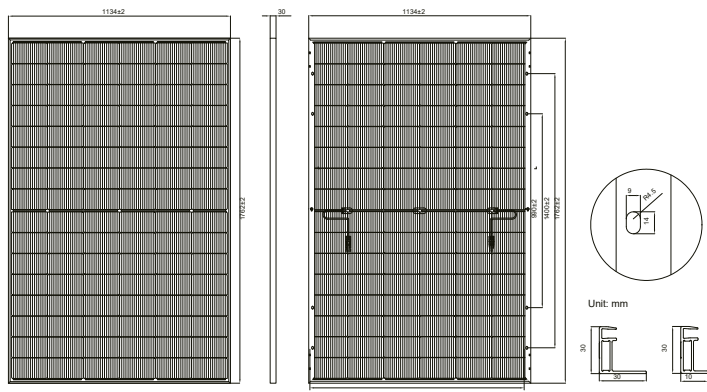
OHSAS 18001:
International standard for occupational health
and safety assessment system

> PRODUCT CERTIFICATES

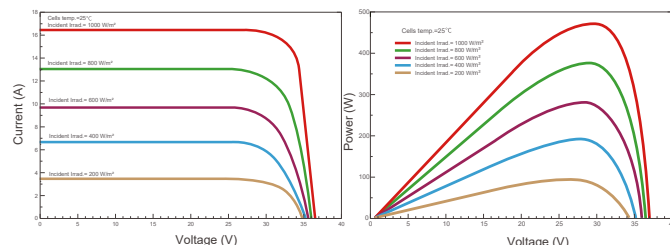


Dimension Drawing

I-V Graph



Current-Voltage & Power-Voltage Curves (RMHT48/470AB2)



All Dimensions in mm

The above drawing is a graphical representation of the product.
For engineering quality drawings please contact REGITEC.

Electrical Characteristics (STC/NOCT)

Module Type	RMHT48/450AB2		RMHT48/455AB2		RMHT48/460AB2		RMHT48/465AB2		RMHT48/470AB2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	450	339.8	455	343.5	460	347.4	465	351.2	470	355
Open Circuit Voltage - Voc(V)	35.64	33.92	35.80	34.11	35.97	34.30	36.14	34.49	36.31	34.68
Short- Circuit Current - Isc(A)	16.06	12.91	16.14	12.96	16.23	13.01	16.32	13.06	16.40	13.11
Voltage at Pmax -Vmp(V)	29.63	27.83	29.76	27.99	29.89	28.15	30.03	28.31	30.16	28.47
Current at Pmax - Imp(A)	15.19	12.21	15.29	12.27	15.39	12.34	15.49	12.40	15.58	12.47
Module Efficiency -ηm(%)	22.52	/	22.77	/	23.02	/	23.27	/	23.52	/
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	1762x1134x30mm
Weight	21.5kg
Solar Cells	N-Type 16BB 182x105mm (2x48pcs)
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)	517	540.5	564	587.5	611
Open Circuit Voltage - Voc(V)	36.31	36.31	36.31	36.31	36.31
Short- Circuit Current - Isc(A)	18.04	18.86	19.68	20.5	21.32
Voltage at Pmax -Vmp(V)	30.16	30.16	30.16	30.16	30.16
Current at Pmax - Imp(A)	17.14	17.98	18.70	19.48	20.25

Packing Configuration

Pallet dimensions	1790x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	26
Pieces per Container	962

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