

> **RMHT66/625~645S2**
625~645 Watt

210R 16BB mono 132Cells

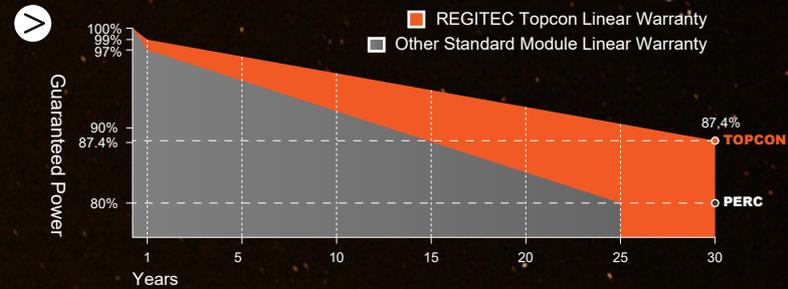
TOPCon Bifacial PV Module
 Glass/Glass Design

BLACK

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

> **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

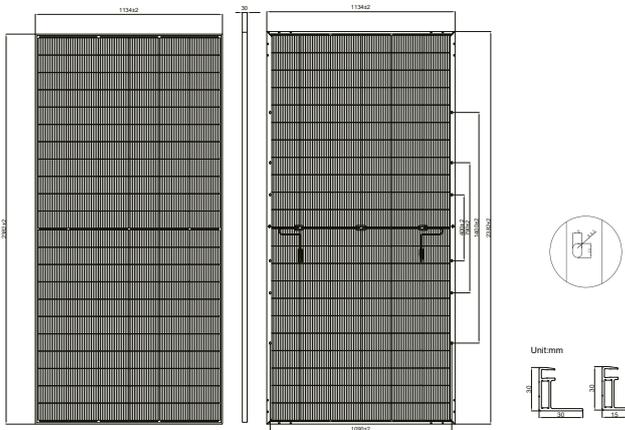


OHSAS 18001: International standard for occupational health and safety assessment system

> **PRODUCT CERTIFICATES**



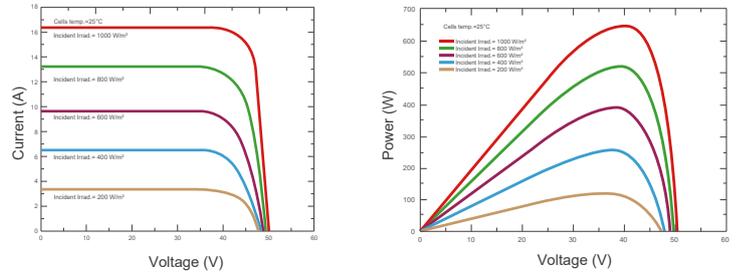
Dimension Drawing



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 (RMHT66/645S2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT66/625S2		RMHT66/630S2		RMHT66/635S2		RMHT66/640S2		RMHT66/645S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	625	471.9	630	475.7	635	479.4	640	483.2	645	486.9
Open Circuit Voltage - Voc(V)	49.30	46.81	49.50	47.00	49.70	47.19	49.90	47.38	50.10	47.57
Short- Circuit Current - Isc(A)	16.13	13.03	16.19	13.08	16.25	13.13	16.31	13.18	16.37	13.23
Voltage at Pmax -Vmp(V)	40.90	38.42	41.04	38.59	41.18	38.76	41.32	38.92	41.46	39.08
Current at Pmax - Imp(A)	15.28	12.28	15.35	12.33	15.42	12.38	15.49	12.42	15.56	12.46
Module Efficiency -ηm(%)	23.10	/	23.30	/	23.50	/	23.70	/	23.90	/
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	2382x1134x30mm
Weight	32.4kg
Solar Cells	N-Type 16BB 182x105mm (2x66pcs)
Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 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)	709.5	741.75	774	806.25	838.5
Open Circuit Voltage - Voc(V)	50.10	50.10	50.10	50.10	50.10
Short- Circuit Current - Isc(A)	17.81	18.83	19.42	20.46	21.28
Voltage at Pmax -Vmp(V)	41.46	41.46	41.46	41.46	41.46
Current at Pmax - Imp(A)	17.11	17.89	18.67	19.45	20.23

Packing Configuration

Pallet dimensions	1164x1140x2495mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	20
Pieces per Container	740

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