

> RMHT48/405~425O2 405~425 Watt

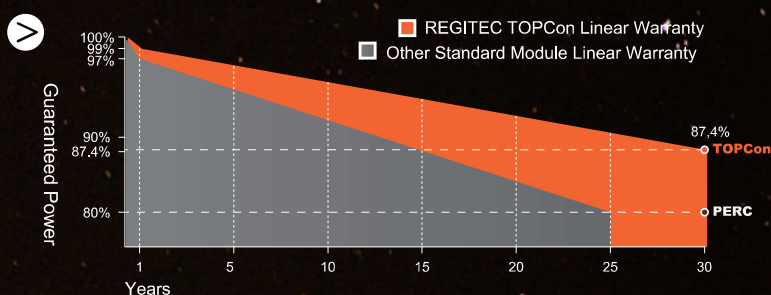
210R 16BB mono 96Cells

TOPCon Bifacial PV Module

Terracotta/Orange Glass/Glass Design

> **30** years product warranty

30 years performance warranty



> PRODUCT FEATURE



Bifaciality
>85%



SMBB
Technology
Half Cut
N Type 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

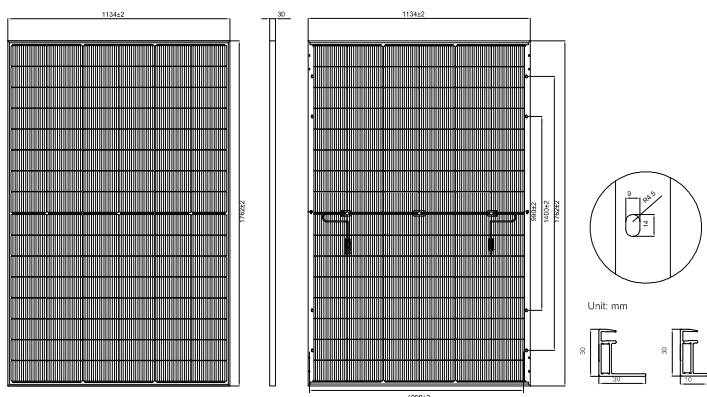
> PRODUCT CERTIFICATES



Solutions



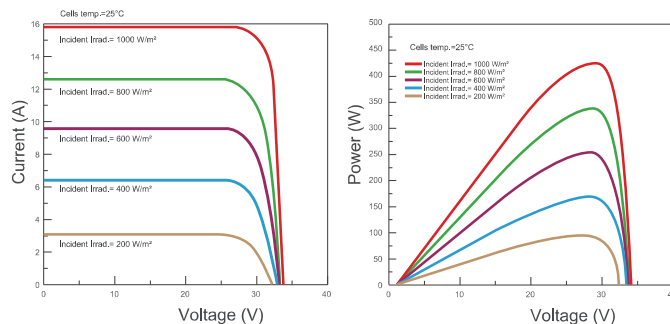
Dimension Drawing



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 (RMHT48/425O2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT48/405O2		RMHT48/410O2		RMHT48/415O2		RMHT48/420O2		RMHT48/425O2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	405	305.8	410	309.5	415	313.2	420	316.9	425	320.6
Open Circuit Voltage - Voc(V)	33.25	31.23	33.33	31.42	33.41	31.61	33.49	31.80	33.57	31.99
Short- Circuit Current - Isc(A)	15.46	12.51	15.57	12.56	15.68	12.61	15.79	12.66	15.90	12.71
Voltage at Pmax -Vmp(V)	28.18	26.69	28.4	26.85	28.62	27.01	28.84	27.17	29.06	27.33
Current at Pmax - Imp(A)	14.37	11.45	14.44	11.52	14.50	11.59	14.56	11.66	14.62	11.73
Module Efficiency -ηm(%)	20.27	/	20.52	/	20.77	/	21.02	/	21.27	/
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

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	23.5kg
Solar Cells	N-Type 16BB 182x105mm (2x48pcs)
Glass	Front ARC Solar Glass 2.0mm , Back Toughened Glass 1.6mm
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm² , 100cm(+), 100cm(-), 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)	468	489	510	531	553
Open Circuit Voltage - Voc(V)	33.57	33.57	33.57	33.57	33.57
Short- Circuit Current - Isc(A)	17.53	18.31	19.10	19.88	20.69
Voltage at Pmax -Vmp(V)	29.06	29.06	29.06	29.06	29.06
Current at Pmax - Imp(A)	16.10	16.83	17.55	18.27	19.03

Packing Configuration

Pallet Dimensions	1780x1125x1244mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

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	45±2°C