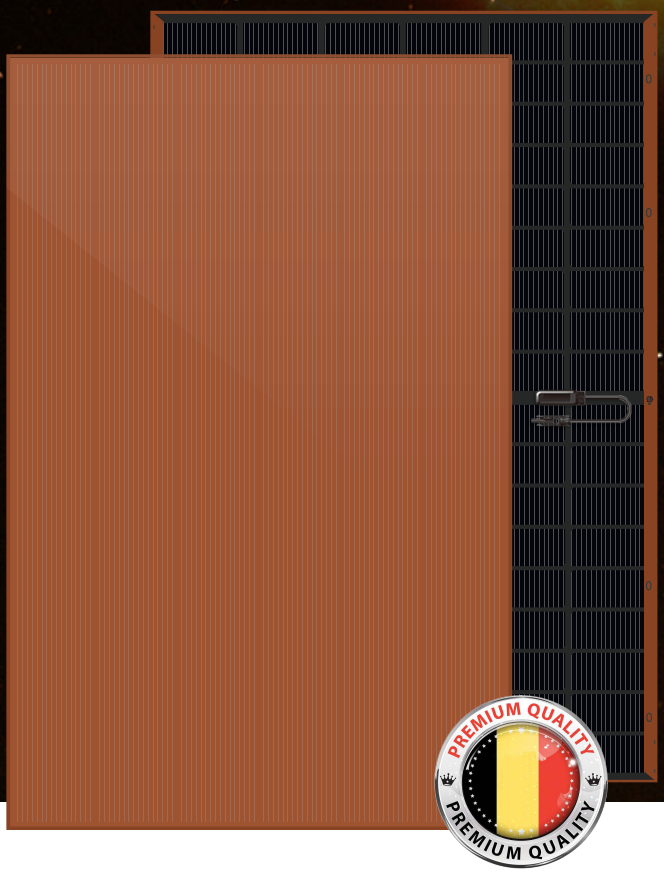
REGITEC

POWERING THE FUTURE



RMHT54/385~405O2

385~405 Watt

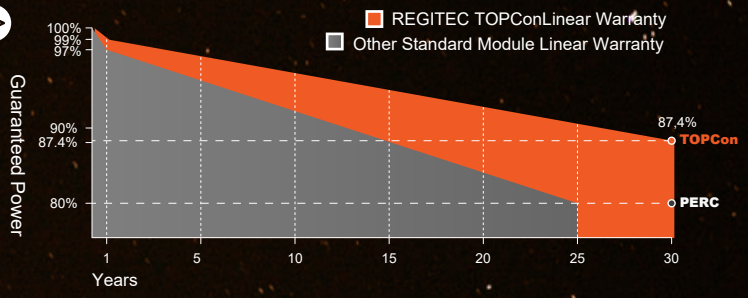
182mm 16BB mono 108Cells

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

TÜV NORD Type Tested · CE · IEC · UL Solutions · RoHS Lead-free

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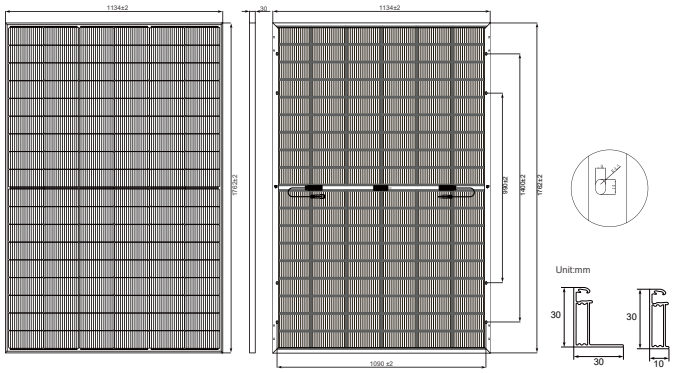
RMHT54/385~405O2

182mm 16BB 108Cells Mono Half Cells
Terracotta/Orange Glass/Glass TOPCon Bifacial PV Module

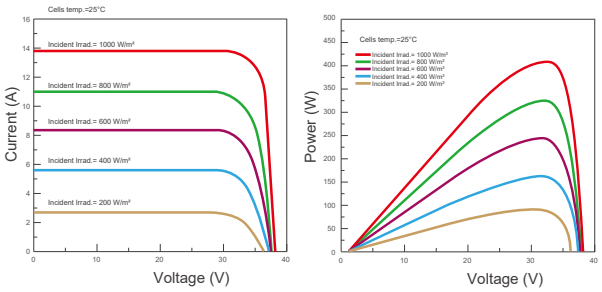
Dimension Drawing



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 (RMHT54/405O2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHT54/385O2	RMHT54/390O2	RMHT54/395O2	RMHT54/400O2	RMHT54/405O2
	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	385	390	395	400	405
Open Circuit Voltage - Voc(V)	36.98	37.07	37.23	37.32	37.41
Short- Circuit Current - Isc(A)	13.35	13.45	13.53	13.64	13.74
Voltage at Pmax -Vmp(V)	30.85	31.01	31.21	31.45	31.70
Current at Pmax - Imp(A)	12.48	12.58	12.66	12.72	12.78
Module Efficiency -ηm(%)	19.30	19.50	19.80	20.00	20.30
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

Mechanical Specifications

External Dimensions	1762x1134x30mm
Weight	23,5kg
Solar Cells	TOPCon mono crystalline 182x94mm (2x54pcs)
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	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)	445.5	465.8	486.0	506.3	526.5
Open Circuit Voltage - Voc(V)	37.52	37.61	37.71	37.76	37.81
Short- Circuit Current - Isc(A)	15.16	15.87	16.59	17.31	17.86
Voltage at Pmax -Vmp(V)	31.48	31.42	31.42	31.37	31.32
Current at Pmax - Imp(A)	14.15	14.82	15.47	16.14	16.81

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