REGITEC

POWERING THE FUTURE

## RMHT54/410~435AB1

# 410~435 Watt

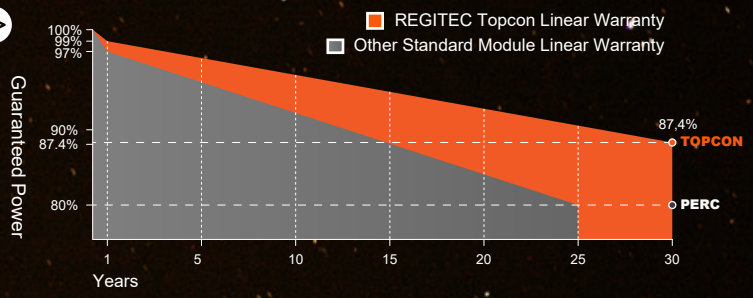
182mm 16BB 108Cells

**TOPCon PV Module**

All Black Design

**25** years product warranty

**30** years performance warranty




PREMIUM QUALITY

## PRODUCT FEATURE

- High transmissivity, low-iron tempered glass.
- 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

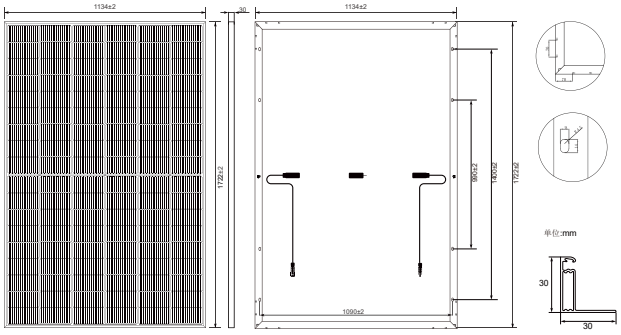
## PRODUCT CERTIFICATES

REGITEC

# RMHT54/410~435AB1

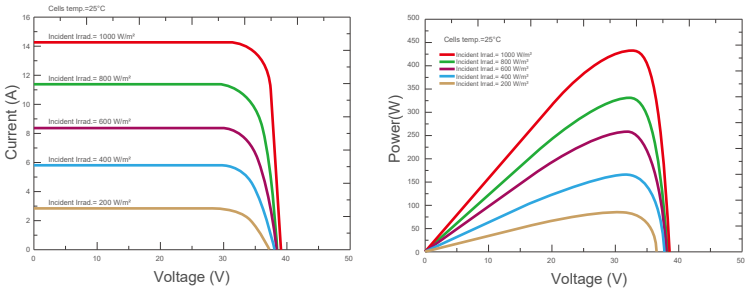
182mm 16BB 108Cells Mono Half Cells
All black TOPCon PV Module

## Dimension Drawing




## I-V Graph

Current-Voltage & Power-Voltage Curves (RMHT54/435AB1)




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 | RMHT54/410AB1 | | RMHT54/415AB1 | | RMHT54/420AB1 | | RMHT54/425AB1 | | RMHT54/430AB1 | | RMHT54/435AB1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power- Pmax(W) | 410 | 308 | 415 | 312 | 420 | 316 | 425 | 320 | 430 | 323 | 435 | 326 |
| Open Circuit Voltage - Voc(V) | 37.73 | 35.84 | 37.92 | 36.02 | 38.11 | 36.20 | 38.30 | 36.38 | 38.49 | 36.56 | 38.68 | 36.74 |
| Short- Circuit Current - Isc(A) | 13.91 | 11.23 | 13.99 | 11.29 | 14.07 | 11.36 | 14.15 | 11.42 | 14.23 | 11.49 | 14.31 | 11.55 |
| Voltage at Pmax -Vmp(V) | 31.13 | 29.06 | 31.32 | 29.21 | 31.51 | 29.34 | 31.70 | 29.50 | 31.88 | 29.63 | 32.07 | 29.78 |
| Current at Pmax - Imp(A) | 13.17 | 10.61 | 13.25 | 10.68 | 13.33 | 10.76 | 13.41 | 10.83 | 13.49 | 10.91 | 13.57 | 10.98 |
| Module Efficiency -ηm(%) | 21.00 | / | 21.25 | / | 21.51 | / | 21.76 | / | 22.02 | / | 22.27 | / |
| 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　　NOCT： Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

| | |
|---|---|
| External Dimensions | 1722x1134x30mm |
| Weight | 21.5kg |
| Solar Cells | TOPCon mono crystalline 182x91mm (2x54pcs) |
| Glass | AR Coated 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0mm², 100cm(+), 100cm(-), length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

## Packing Configuration

| | 1722x1134x30mm |
|---|---|
| Container | 40'HQ |
| Pieces per Pallet | 36 |
| Pallets per Container | 26 |
| Pieces per Container | 936 |

## Temperature Characteristics

| | |
|---|---|
| Pmax Temperature Coefficient | -0.300%/°C |
| Voc Temperature Coefficient | -0.250%/°C |
| Isc Temperature Coefficient | +0.04%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |