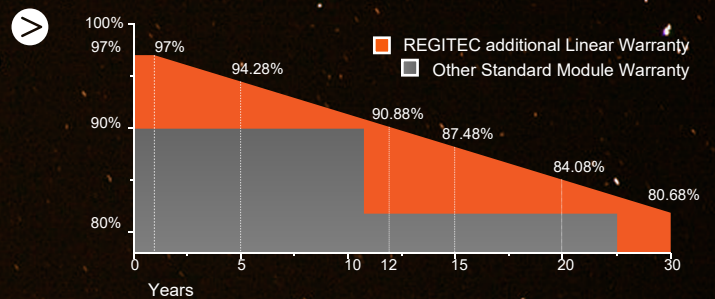


➤ **RMH72-435~450AB1**
435~450 Watt

166mm 144Cells ALL BLACK PV Module

➤ **25** years product warranty

30 years performance warranty



➤ **PRODUCT FEATURE**

- High transmissivity, low-iron tempered glass.
- Using high efficiency mono solar cells
- 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

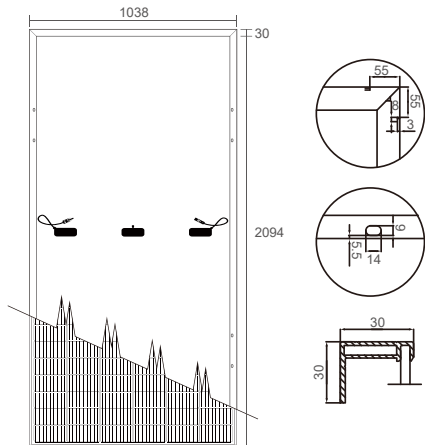
➤ **MANAGEMENT SYSTEM**

- 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**

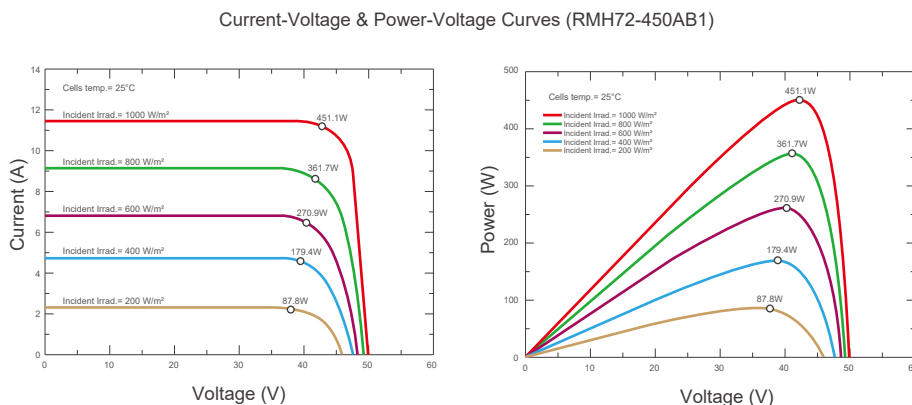


Dimension Drawing



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

I-V Graph



Electrical Characteristics (STC/NOCT)

Module Type	RMH72-435AB1		RMH72-440AB1		RMH72-445AB1		RMH72-450AB1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	435	321.1	440	324.9	445	328.6	450	332.3
Open Circuit Voltage - Voc(V)	48.7	45.5	48.9	45.7	49.1	45.8	49.3	46
Short- Circuit Current - Isc(A)	11.39	9.15	11.46	9.21	11.53	9.27	11.60	9.33
Voltage at Pmax -Vmp(V)	40.9	37.9	41.1	38.1	41.3	38.3	41.5	38.5
Current at Pmax - Imp(A)	10.64	8.47	10.71	8.53	10.78	8.59	10.85	8.64
Module Efficiency -ηm(%)	20.0	/	20.2	/	20.5	/	20.7	/
Power Tolerance(W)	(0, +4.99W)							
Maximum System Voltage(V)	1000/1500Vdc (IEC / UL)							
Maximum Series Fuse Rating (A)	25A							

STC : Irradiance 1000 /m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800 W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2094X1038X30mm
Weight	24kg
Solar Cells	Mono crystalline 166x83mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1000mm (+), 1000mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	2094X1038X30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	5	22
Pieces per Container	180	792

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.270%/°C
Isc Temperature Coefficient	+0.048%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C