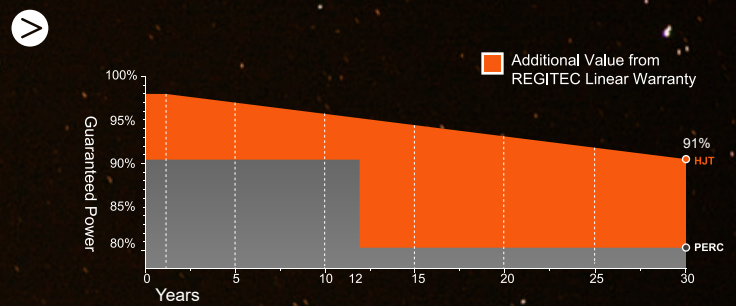


➤ **RMHHB72-455~475S2**  
**455~475 Watt**

166mm 9BB Mono 144half-cells  
**HJT Bifacial PV Module**

**BLACK** \*BLACK FRAME/BLACK BACK-GLASS PRODUCTS ARE AVAILABLE UPON REQUEST

➤ **30** 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

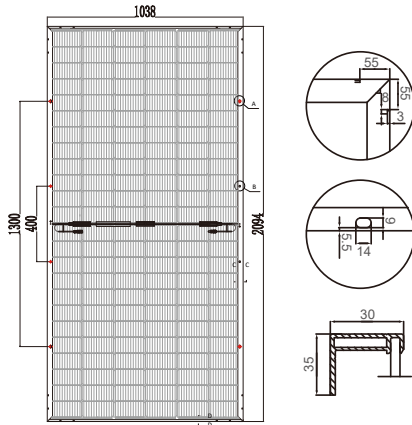
➤ **MANAGEMENT SYSTEM**

- 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**



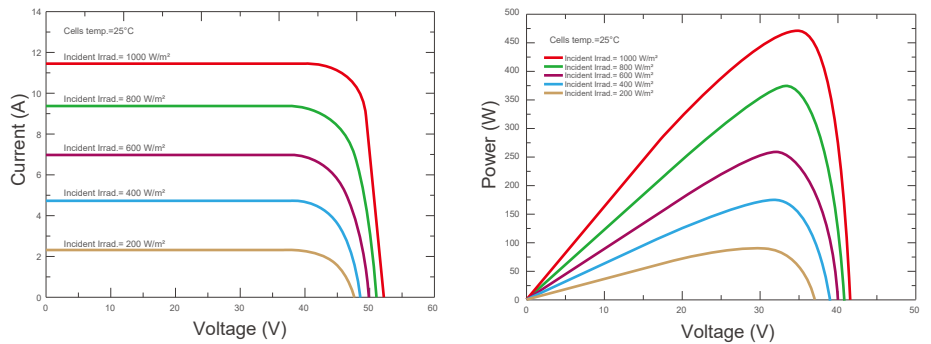
## Dimension Drawing



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

## I-V Graph

Current-Voltage & Power-Voltage Curves (RMHHB72-470S2)



## Electrical Characteristics (STC/NOCT)

Module Type	RMHHB72-455S2		RMHHB72-460S2		RMHHB72-465S2		RMHHB72-470S2		RMHHB72-475S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	455	340	460	344	465	348	470	351	475	355
Open Circuit Voltage - Voc(V)	53.05	49.61	53.35	49.82	53.65	50.07	53.95	50.31	54.25	50.59
Short- Circuit Current - Isc(A)	10.90	8.72	10.94	8.80	10.98	8.83	11.02	8.84	11.06	8.87
Voltage at Pmax -Vmp(V)	45.10	41.69	45.30	41.85	45.50	42.01	45.70	42.18	45.90	42.36
Current at Pmax - Imp(A)	10.09	8.15	10.15	8.23	10.22	8.29	10.28	8.32	10.35	8.38
Module Efficiency -ηm(%)	21.0	/	21.2	/	21.4	/	21.6	/	21.8	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1000/1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	25A									

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	2094 x 1038 x30 mm
Weight	26.5kg
Solar Cells	Mono crystalline 166x83mm (2x72pcs)
Front Glass	AR Coated 2.0 mm +2.0mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Cables	4.0mm <sup>2</sup> , 1000mm in length, length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

## Packing Configuration

	2094 x 1038 x30 mm	
Container	20'GP	40'HQ
Pieces per Pallet	35	35
Pallets per Container	10	22
Pieces per Container	350	770

## Temperature Characteristics

Pmax Temperature Coefficient	-0.240%/°C
Voc Temperature Coefficient	-0.220%/°C
Isc Temperature Coefficient	+0.047%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C