

➤ **RMHHB60-450 ~470S2**
450~470 Watt

166mm 12BB Mono 144half-cells

HJT Bifacial PV Module

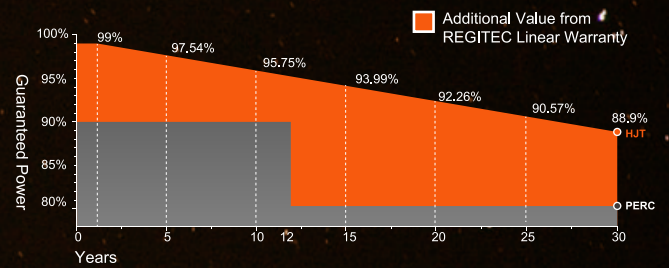
BLACK

*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

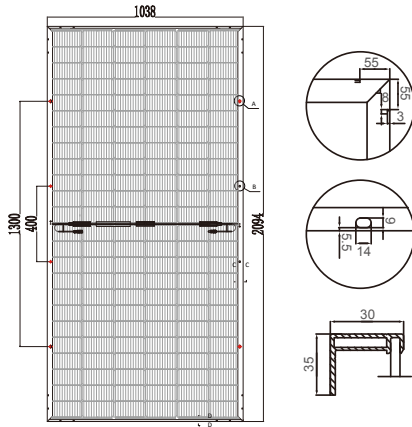


OHSAS 18001 :
International standard for occupational health and safety assessment system

➤ **PRODUCT CERTIFICATES**



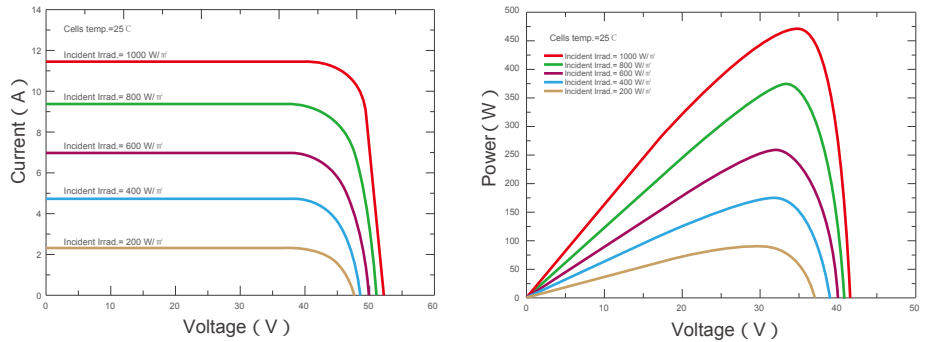
Dimension Drawing



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 (RMHHB60-470S2)



Electrical Characteristics (STC/NOCT)

Module Type	RMHHB60-450S2		RMHHB60-455S2		RMHHB60-460S2		RMHHB60-465S2		RMHHB60-470S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	450	336	455	340	460	343	465	348	470	351
Open Circuit Voltage - Voc(V)	53.09	49.61	53.21	49.76	53.41	49.88	53.51	49.94	53.61	49.99
Short- Circuit Current - Isc(A)	10.71	8.51	10.76	8.61	10.79	8.68	10.85	8.73	10.91	8.75
Voltage at Pmax -Vmp(V)	44.98	41.61	45.17	41.75	45.33	41.88	45.45	41.96	45.52	42.01
Current at Pmax - Imp(A)	10.01	8.09	10.09	8.15	10.15	8.23	10.25	8.31	10.33	8.36
Module Efficiency -ηm(%)	20.7	/	21.0	/	21.2	/	21.4	/	21.6	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1000/1500Vdc (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	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 ² , 200mm 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	-0.260%/°C
Voc Temperature Coefficient	-0.240%/°C
Isc Temperature Coefficient	+0.04%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	44±2°C