REGITEC

POWERING THE FUTURE



RMH72-430~460S1

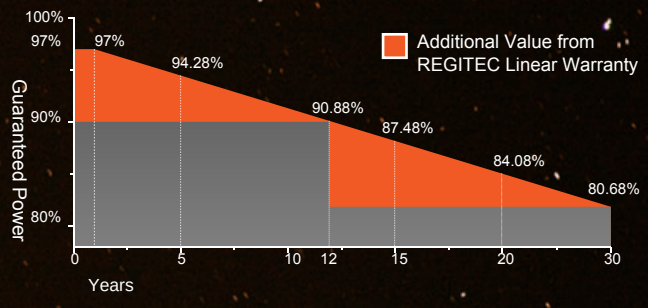
430~460 Watt

166mm 144Cells PV Module

BLACK *BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

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

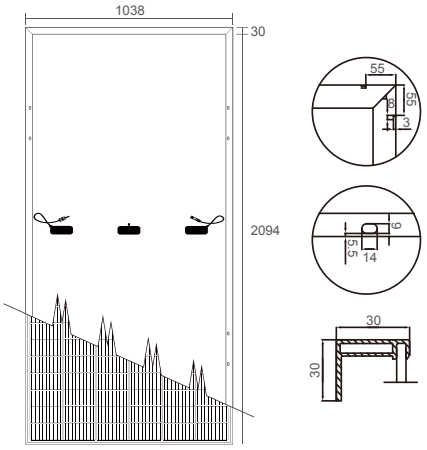
PRODUCT CERTIFICATES

REGITEC

RMH72-430~460S1

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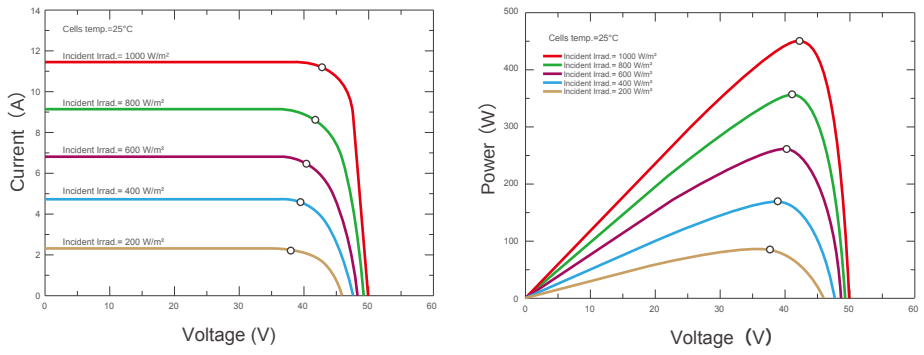
Dimension Drawing



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 (RMH72-460S1)



Electrical Characteristics (STC/NOCT)

Module Type	RMH72-430S1		RMH72-435S1		RMH72-440S1		RMH72-445S1		RMH72-450S1		RMH72-455S1		RMH72-460S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	430	317.4	435	321.1	440	324.9	445	328.6	450	332.3	455	336.1	460	339.8
Open Circuit Voltage - Voc(V)	48.5	45.3	48.7	45.5	48.9	45.7	49.1	45.8	49.3	46.0	49.5	46.2	49.7	46.4
Short- Circuit Current - Isc(A)	11.31	9.08	11.39	9.15	11.46	9.21	11.53	9.27	11.60	9.33	11.66	9.38	11.73	9.43
Voltage at Pmax -Vmp(V)	40.7	37.7	40.9	37.9	41.1	38.1	41.3	38.3	41.5	38.5	41.7	38.6	41.9	38.8
Current at Pmax - Imp(A)	10.57	8.42	10.64	8.47	10.71	8.53	10.78	8.59	10.85	8.64	10.92	8.70	10.98	8.75
Module Efficiency -ηm(%)	19.8	/	20.0	/	20.2	/	20.5	/	20.7	/	20.9	/	21.2	/
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	2094x1038x30mm
Weight	23.3kg
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, 500mm (+) , 500mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	2094x1038x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	35	35
Pallets per Container	5	22
Pieces per Container	175	814

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.270%/°C
Isc Temperature Coefficient	+0.057%/°C
Operating Temperature	-40～+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C