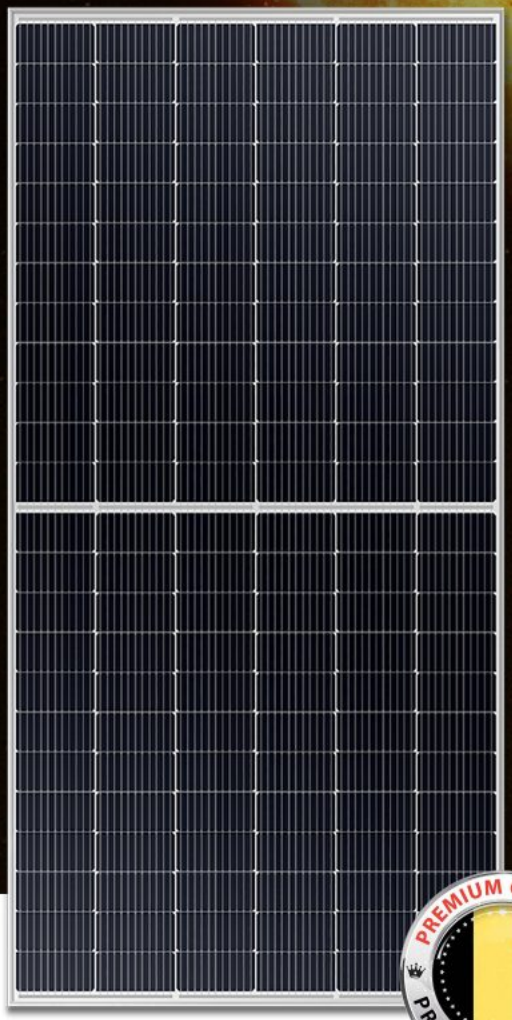
REGITEC

POWERING THE FUTURE



RMH72-525~550S1

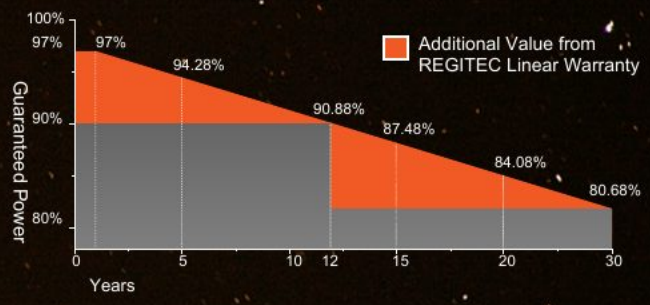
525~550 Watt

182mm 144Cells PV Module

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

25 years product warranty

30 years performance warranty



PREMIUM QUALITY

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

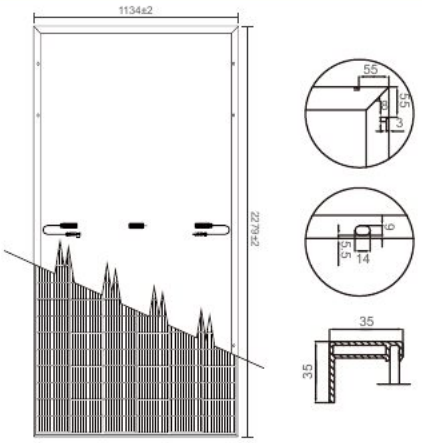
PRODUCT CERTIFICATES

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RMH72-525~550S1

182mm 144Cells PV Module

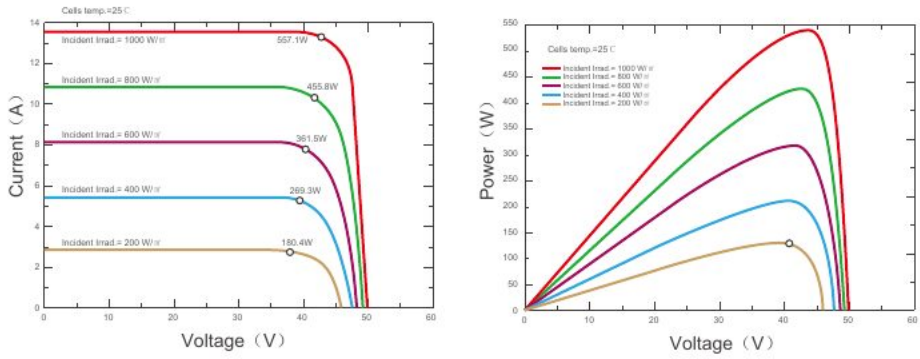
Dimension Drawing



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 (RMH72-550S1)



Electrical Characteristics (STC/NOCT)

Module Type	RMH72-525S1		RMH72-530S1		RMH72-535S1		RMH72-540S1		RMH72-545S1		RMH72-550S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	525	397	530	401	535	405	540	408	545	412	550	416
Open Circuit Voltage - Voc(V)	49.15	46.05	49.30	46.18	49.45	46.31	49.60	46.43	49.75	46.55	49.90	46.68
Short- Circuit Current - Isc(A)	13.65	10.97	13.72	11.01	13.79	11.05	13.86	11.09	13.93	11.13	14.00	11.17
Voltage at Pmax -Vmp(V)	41.15	38.36	41.31	38.57	41.47	38.78	41.64	38.99	41.80	39.20	41.96	39.43
Current at Pmax - Imp(A)	12.76	10.35	12.83	10.39	12.90	10.43	12.97	10.47	13.04	10.51	13.11	10.55
Module Efficiency -ηm(%)	20.3	/	20.5	/	20.7	/	20.9	/	21.1	/	21.3	/
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℃, Air Mass 1.5　　NOCT： Irradiance 800W/m², Ambient Temperature 20℃, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2279x1134x35mm
Weight	28.6kg
Solar Cells	Mono crystalline 182mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1200mm (+) ,1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	2279x1134x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	5	20
Pieces per Container	155	620

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/℃
Voc Temperature Coefficient	-0.275%/℃
Isc Temperature Coefficient	+0.045%/℃
Operating Temperature	-40～+85℃
Nominal Operating Cell Temperature(NOCT)	45±2℃