



> RMH72-525~550S1 525~550 Watt

182mm 144Cells PV Module

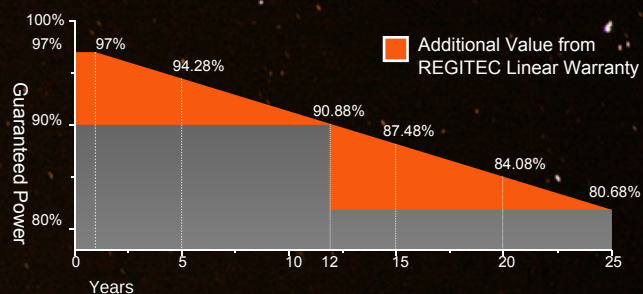
BLACK

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



25 years product warranty

30 years performance warranty



> 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

> MANAGEMENT SYSTEM



ISO 9001 :
Quality management system



ISO 14001 :
Standard for environmental management system

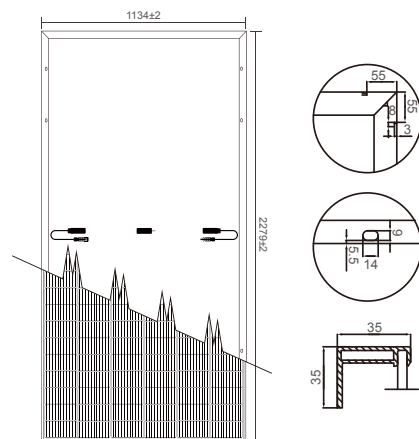


OHSAS 18001 :
International standard for occupational health
and safety assessment system

> PRODUCT CERTIFICATES



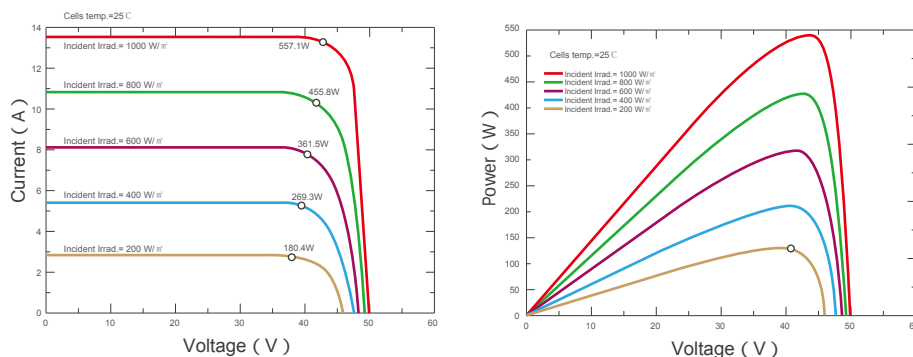
Dimension Drawing



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 (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°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	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	4.0mm ² , 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	30	30
Pallets per Container	5	20
Pieces per Container	150	600

Temperature Characteristics

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