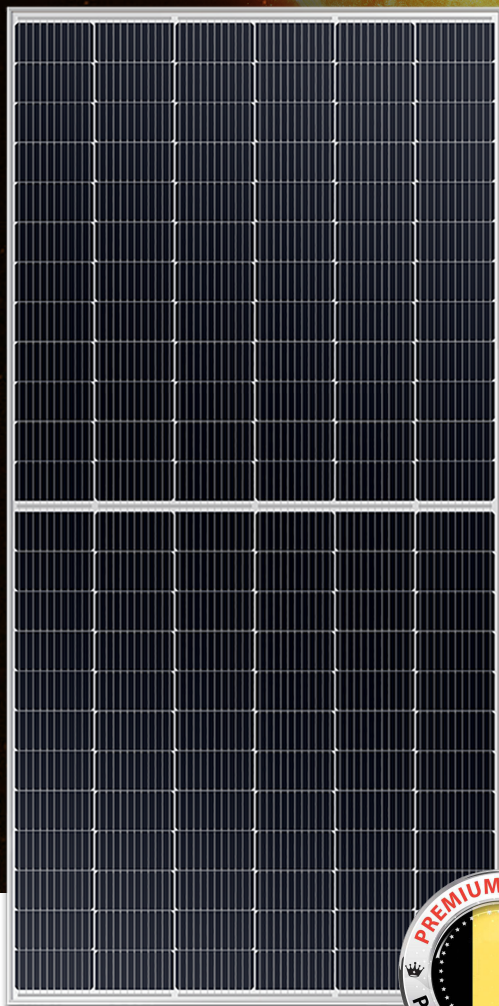




## > RMH72-525~550S1 525~550 Watt

182mm 144Cells PV Module

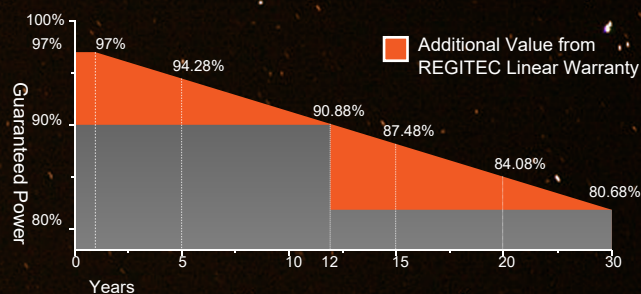
**BLACK**

\*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



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

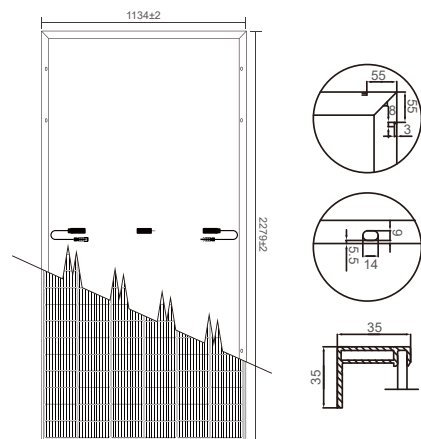
## > PRODUCT CERTIFICATES



**Solutions**



## Dimension Drawing

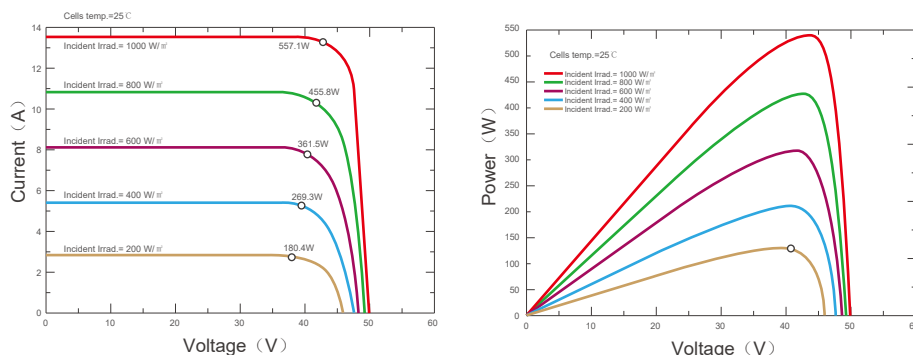


All Dimensions in mm

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/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 | 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 <sup>2</sup> , 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%/°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      |