



## > RMH78-575~600S1 575~600 Watt

182mm 156Cells PV Module

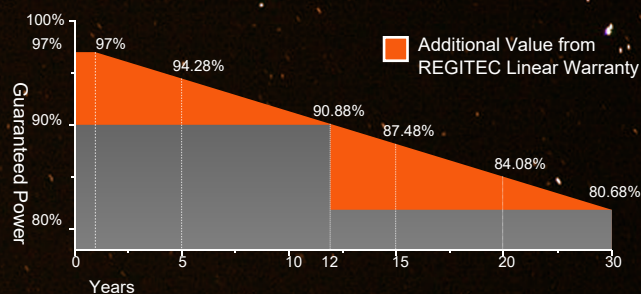
**BLACK**

\*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

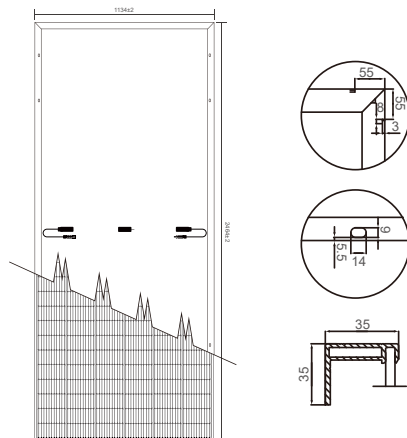


**OHSAS 18001 :**  
International standard for occupational health  
and safety assessment system

## > PRODUCT CERTIFICATES



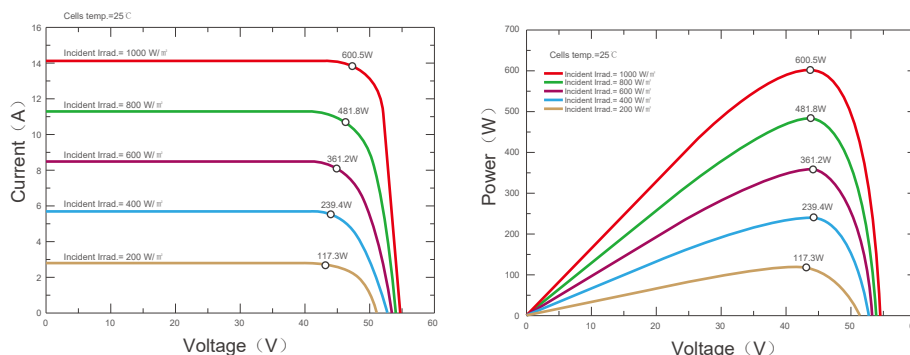
## Dimension Drawing



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 (RMH78-600S1)



## Electrical Characteristics (STC/NOCT)

| Module Type                     | RMH78-575S1        |       | RMH78-580S1 |       | RMH78-585S1 |       | RMH78-590S1 |       | RMH78-595S1 |       | RMH78-600S1 |       |
|---------------------------------|--------------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
|                                 | STC                | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  |
| Maximum Power- Pmax(W)          | 575                | 428   | 580         | 432   | 585         | 435   | 590         | 439   | 595         | 443   | 600         | 447   |
| Open Circuit Voltage - Voc(V)   | 53.43              | 50.43 | 53.54       | 50.54 | 53.65       | 50.64 | 53.76       | 50.75 | 53.87       | 50.86 | 53.98       | 50.97 |
| Short- Circuit Current - Isc(A) | 13.69              | 11.06 | 13.77       | 11.12 | 13.85       | 11.19 | 13.97       | 11.27 | 14.05       | 11.35 | 14.13       | 11.43 |
| Voltage at Pmax - Vmp(V)        | 44.22              | 41.14 | 44.34       | 41.29 | 44.41       | 41.39 | 44.49       | 41.46 | 44.57       | 41.67 | 44.65       | 41.88 |
| Current at Pmax - Imp(A)        | 13.01              | 10.41 | 13.09       | 10.47 | 13.18       | 10.51 | 13.27       | 10.59 | 13.36       | 10.63 | 13.45       | 10.67 |
| Module Efficiency -ηm(%)        | 20.58              | /     | 20.76       | /     | 20.94       | /     | 21.12       | /     | 21.29       | /     | 21.47       | /     |
| 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 | 2464x1134x35mm                                                        |
| Weight              | 32.1kg                                                                |
| Solar Cells         | Mono crystalline 182mm (2x78pcs)                                      |
| 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

|                       |                |       |
|-----------------------|----------------|-------|
|                       | 2464x1134x35mm |       |
| Container             | 20'GP          | 40'HQ |
| Pieces per Pallet     | 31             | 31    |
| Pallets per Container | 4              | 16    |
| Pieces per Container  | 124            | 496   |

## Temperature Characteristics

|                                          |             |
|------------------------------------------|-------------|
| Pmax Temperature Coefficient             | -0.350%/°C  |
| Voc Temperature Coefficient              | -0.280%/°C  |
| Isc Temperature Coefficient              | +0.048%/°C  |
| Operating Temperature                    | -40 ~ +85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C      |