



## > RMH66-480~505S1 480~505 Watt

182mm 132Cells PV Module

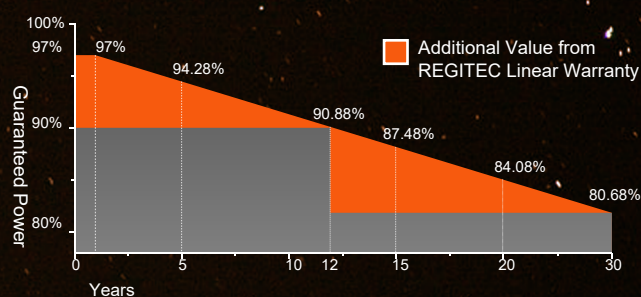
**BLACK**

\*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

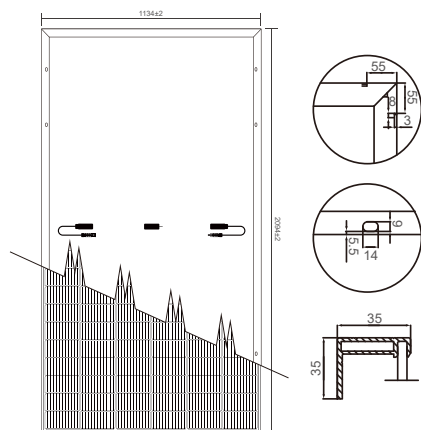


**OHSAS 18001 :**  
International standard for occupational health  
and safety assessment system

## > PRODUCT CERTIFICATES



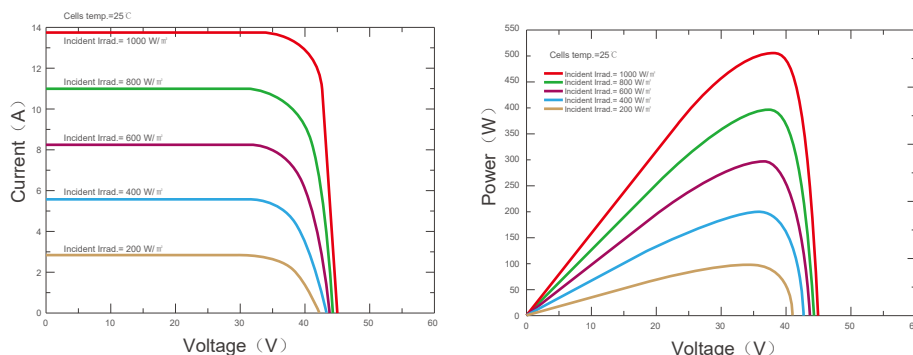
## Dimension Drawing



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 (RMH66-505S1)



## Electrical Characteristics (STC/NOCT)

| Module Type                     | RMH66-480S1        |       | RMH66-485S1 |       | RMH66-490S1 |       | RMH66-495S1 |       | RMH66-500S1 |       | RMH66-505S1 |       |
|---------------------------------|--------------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
|                                 | STC                | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  |
| Maximum Power- Pmax(W)          | 480                | 363   | 485         | 367   | 490         | 370   | 495         | 374   | 500         | 378   | 505         | 382   |
| Open Circuit Voltage - Voc(V)   | 45.07              | 42.15 | 45.20       | 42.30 | 45.33       | 42.43 | 45.46       | 42.58 | 45.59       | 42.72 | 45.72       | 42.86 |
| Short- Circuit Current - Isc(A) | 13.65              | 10.99 | 13.72       | 11.06 | 13.79       | 11.13 | 13.86       | 11.20 | 13.93       | 11.27 | 14.00       | 11.34 |
| Voltage at Pmax - Vmp(V)        | 37.62              | 35.54 | 37.81       | 35.67 | 37.99       | 35.76 | 38.17       | 35.84 | 38.35       | 35.93 | 38.53       | 36.02 |
| Current at Pmax - Imp(A)        | 12.76              | 10.99 | 12.83       | 11.06 | 12.90       | 11.13 | 12.97       | 11.20 | 13.04       | 11.27 | 13.11       | 11.34 |
| Module Efficiency -ηm(%)        | 20.3               | /     | 20.4        | /     | 20.6        | /     | 20.8        | /     | 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℃, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20℃, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

|                     |                                                                       |
|---------------------|-----------------------------------------------------------------------|
| External Dimensions | 2094x1134x35mm                                                        |
| Weight              | 26.3kg                                                                |
| 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

|                       |                |       |
|-----------------------|----------------|-------|
|                       | 2094x1134x35mm |       |
| Container             | 20'GP          | 40'HQ |
| Pieces per Pallet     | 31             | 31    |
| Pallets per Container | 5              | 22    |
| Pieces per Container  | 155            | 682   |

## 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℃      |