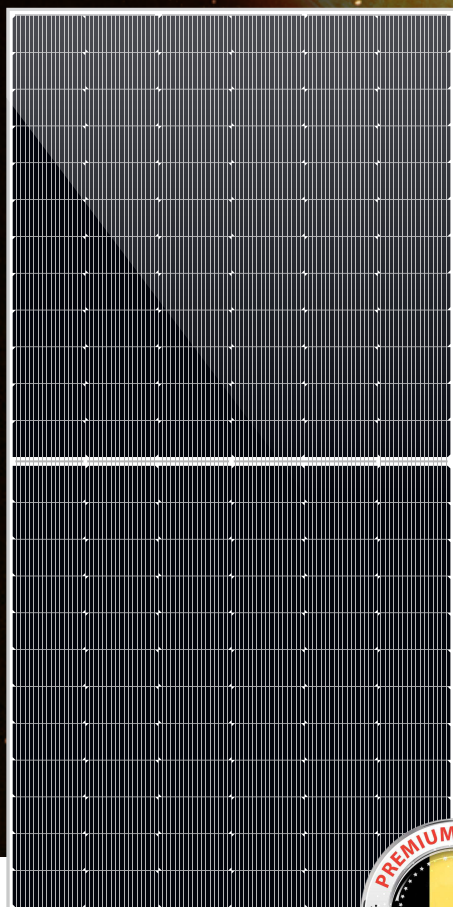




## > RMHT72/565~585S1 565~585 Watt

182mm 16BB mono 144Cells

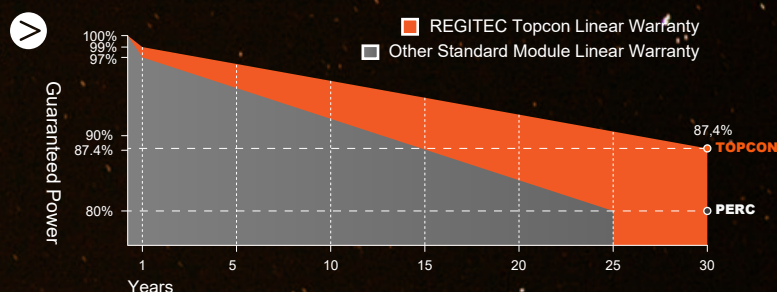
**TOPCon PV Module**

**BLACK**

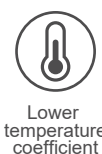
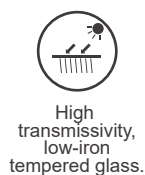
\*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

> **25** years product warranty

**30** years performance warranty



## > PRODUCT FEATURE



## > 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

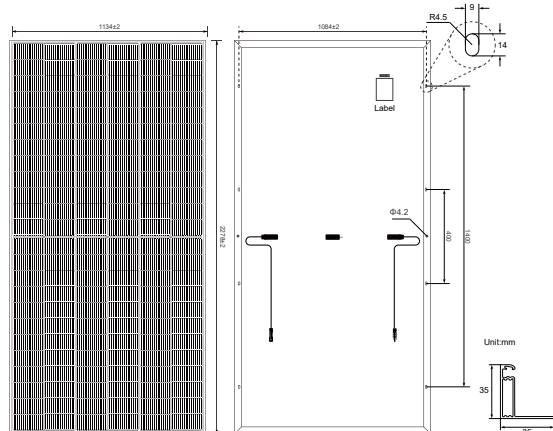
## > PRODUCT CERTIFICATES



**Solutions**



## Dimension Drawing

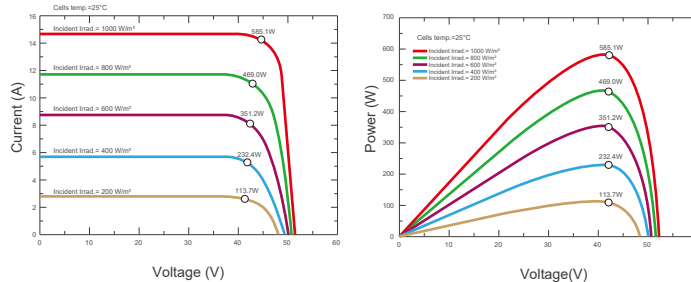


All Dimensions in mm

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 (RMHT72/585S1)



### Electrical Characteristics (STC/NOCT)

| Module Type                     | RMHT72/565S1       |       | RMHT72/570S1 |       | RMHT72/575S1 |       | RMHT72/580S1 |       | RMHT72/585S1 |       |
|---------------------------------|--------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
|                                 | STC                | NOCT  | STC          | NOCT  | STC          | NOCT  | STC          | NOCT  | STC          | NOCT  |
| Maximum Power- Pmax(W)          | 565                | 425   | 570          | 429   | 575          | 432   | 580          | 434   | 585          | 438   |
| Open Circuit Voltage - Voc(V)   | 50.60              | 48.06 | 50.74        | 48.20 | 50.88        | 48.33 | 51.02        | 48.47 | 51.16        | 48.61 |
| Short- Circuit Current - Isc(A) | 14.23              | 11.49 | 14.31        | 11.55 | 14.39        | 11.62 | 14.47        | 11.69 | 14.55        | 11.76 |
| Voltage at Pmax -Vmp(V)         | 41.92              | 39.38 | 42.07        | 39.51 | 42.22        | 39.60 | 42.37        | 39.69 | 42.52        | 39.78 |
| Current at Pmax - Imp(A)        | 13.48              | 10.79 | 13.55        | 10.85 | 13.62        | 10.92 | 13.69        | 10.99 | 13.76        | 11.06 |
| Module Efficiency -ηm(%)        | 21.87              | /     | 22.07        | /     | 22.26        | /     | 22.45        | /     | 22.65        | /     |
| Power Tolerance(W)              | (0, +4.99W)        |       |              |       |              |       |              |       |              |       |
| Maximum System Voltage(V)       | 1500Vdc (IEC / UL) |       |              |       |              |       |              |       |              |       |
| Maximum Series Fuse Rating (A)  | 25A                |       |              |       |              |       |              |       |              |       |

STC : Irradiance 1000 W/m<sup>2</sup>. Cell Temperature 25°C. Air Mass 1.5

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

## Mechanical Specifications

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| External Dimensions | 2278x1134x35mm                                         |
| Weight              | 28kg                                                   |
| Solar Cells         | Mono crystalline 182mm (2x72pcs)                       |
| Glass               | AR Coated 3.2 mm tempered glass                        |
| Frame               | Anodized aluminum alloy                                |
| Junction Box        | IP68                                                   |
| Output Cables       | 4.0mm², 100cm (+), 100cm (-), length can be customized |
| Connector           | MC4 Compatible                                         |
| Mechanical Load     | Front Side Max. 5400Pa, Rear Side Max. 2400Pa          |

## Packing Configuration

|                       |                |
|-----------------------|----------------|
|                       | 2278x1134x35mm |
| Container             | 40'HQ          |
| Pieces per Pallet     | 31             |
| Pallets per Container | 20             |
| Pieces per Container  | 620            |

## Temperature Characteristics

|                                          |            |
|------------------------------------------|------------|
| Pmax Temperature Coefficient             | -0.300%/°C |
| Voc Temperature Coefficient              | -0.25%/°C  |
| Isc Temperature Coefficient              | +0.04%/°C  |
| Operating Temperature                    | -40~+85°C  |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C     |