

# RSM60H-156P

## 270 – 290W

### KEY FEATURES



**PID resistant**



**Excellent module efficiency**



**Positive power tolerance to +5W**



**100% electroluminescence**



**Heavy snow load 5400 Pa  
Wind load 2400 Pa**



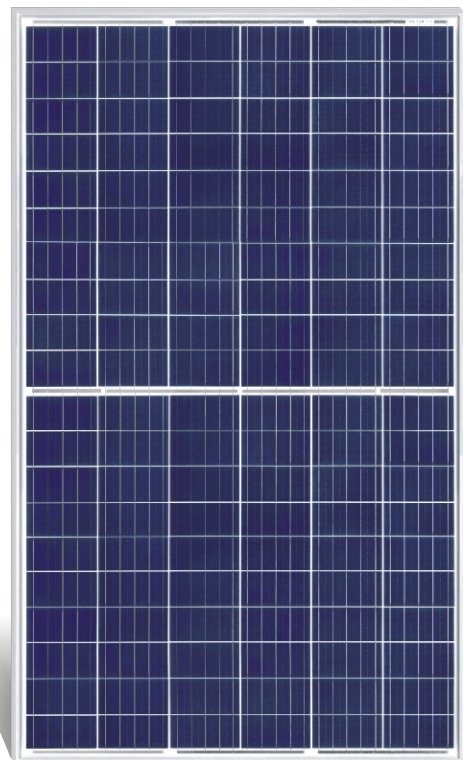
**IP67 junction box for long term  
endurance**



**10 years product warranty**



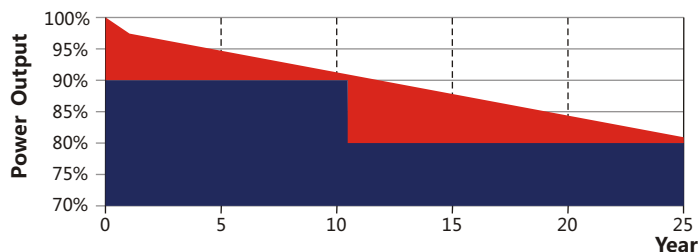
**25 years linear power warranty**



### LINEAR PERFORMANCE WARRANTY

10 year Product Warranty | 25 year Power Output Warranty

■ Our Standard ■ Industry Standard



### MANAGEMENT SYSTEMS CERTIFICATES



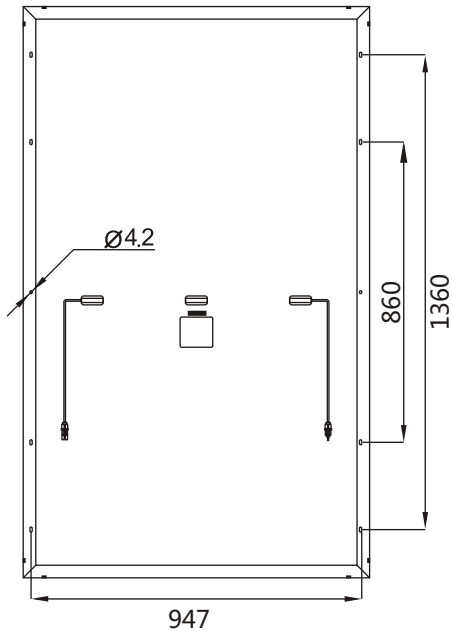
Management System  
ISO9001:2008  
www.tuv.com  
ID 9105016347

### PRODUCT CERTIFICATES

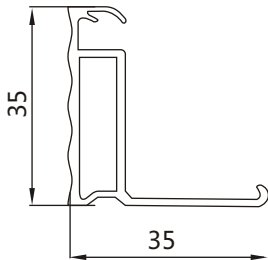


# RSM60H-156P

## 270 – 290W



Module Dimension (Unit: mm)



Frame Dimension (Unit: mm)

### ELECTRICAL CHARACTERISTICS

|  | 270    | 275   | 280   | 285   | 290   |
|--|--------|-------|-------|-------|-------|
| Maximum Power $P_{mp}$ , [Watt]                | 270    | 275   | 280   | 285   | 290   |
| Power Tolerance, [W]                           | 0 / +5 |       |       |       |       |
| Voltage at Maximum Power Point $V_{mpp}$ , [V] | 31.60  | 31.85 | 32.05 | 32.25 | 32.45 |
| Current at Maximum Power Point $I_{mpp}$ , [A] | 8.54   | 8.63  | 8.74  | 8.84  | 8.94  |
| Open Circuit Voltage $V_{oc}$ , [V]            | 37.95  | 38.15 | 38.35 | 38.55 | 38.75 |
| Short Circuit Current $I_{sc}$ , [A]           | 9.05   | 9.15  | 9.23  | 9.35  | 9.46  |
| Module Efficiency, [%]                         | 16.3   | 16.6  | 16.9  | 17.2  | 17.5  |

Measurements under Standard Test Conditions (STC)  
Irradiance 1000W/m<sup>2</sup>, AM1.5G Spectrum and Cell Temperature 25°C

### MECHANICAL CHARACTERISTICS

|                    |  |
|--------------------|--|
| Cell Type          | PPoly-crystalline, 156.75mm × 78.375mm (Half Cell) × 2 |
| Cell Configuration | 120 cells (10 × 12)                                    |
| Module Dimension   | 1670mm × 992mm × 35mm                                  |
| Module Weight      | 18.2 Kg  |
| Glass              | 3.2mm, low Iron tempered Solar Glass                   |
| Frame              | Anodized Al alloy Type 6063 T5; Sliver grey            |
| J-Box              | Potted, IP67, 1000V/1500V DC, IEC & UL certified       |
| Cable              | 4.0mm <sup>2</sup> / 12 AWG, 1000 mm, IP67             |
| Connectors         | QC4.10   |

### THERMAL CHARACTERISTICS

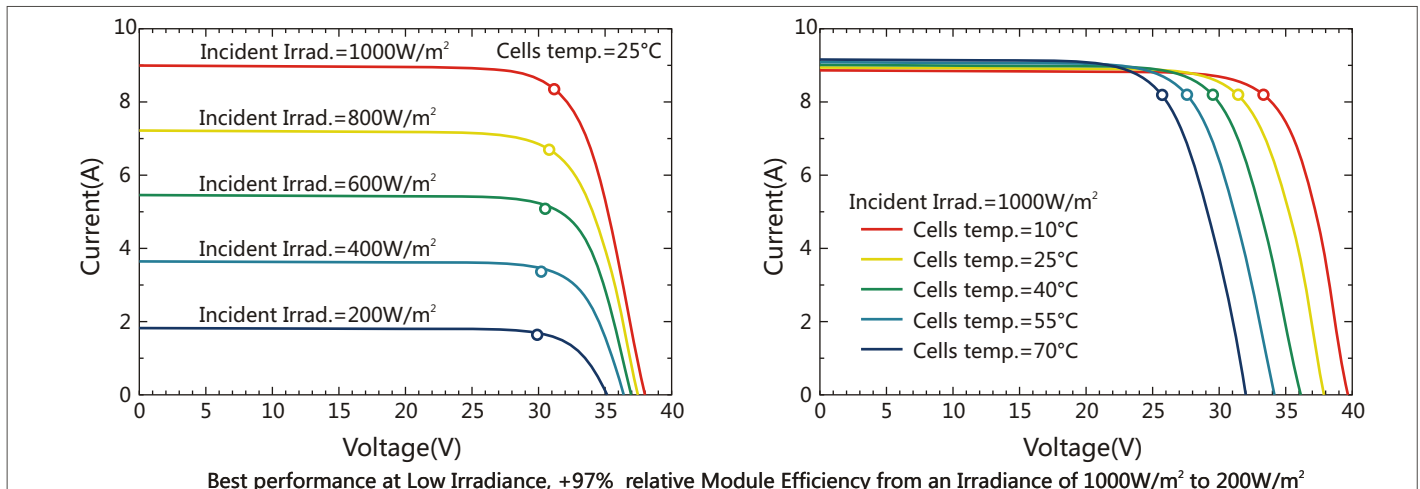
|   |             |
|---|-------------|
| Nominal Operating Temperature NOCT              | 45 ± 2°C    |
| Temperature Coefficient of $I_{sc}$ , $\alpha$  | +0.049 %/°C |
| Temperature Coefficient of $V_{oc}$ , $\beta$   | -0.309 %/°C |
| Temperature Coefficient of $P_{max}$ , $\gamma$ | -0.416 %/°C |

### MAXIMUM OPERATING INSTRUCTIONS

|                            |                |
|----------------------------|----------------|
| Operating Temperature      | -40°C to +85°C |
| Maximum System Voltage     | 1000V/1500V    |
| Maximum Series Fuse Rating | 15A            |

### PACKING INSTRUCTIONS

|                                    |    |
|------------------------------------|----|
| Number Of Modules Per Box / Pallet | 30 |
| Number of Pallets / 40' Container  | 26 |



**DISCLAIMER:** Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation on the Product Development and R&D activities.