

# SKYMAX<sup>series</sup> RM-600W-182M/156

Monocrystalline PERC Module

**2465×1134×35/30**    **182×91**

Dimensions (mm)

Cell size (mm)

**156 CELL**    **570-600Wp**

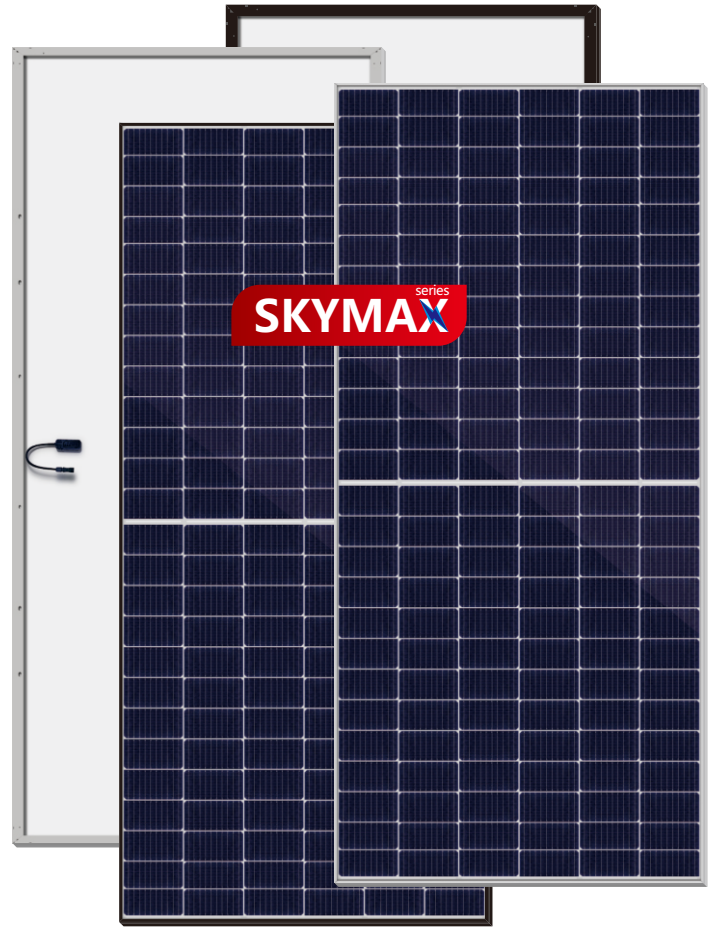
Mono PERC

Power output


**1500V DC**    **21.46%**


Max. system voltage


Max. efficiency





## KEY FEATURES


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**Higher Power Output**  
Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.
- 


**Most Advanced Production Technologies**  
Optimize module current profile, improve system-side power generation.
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**Multi Busbar Technology**  
By improving optical utilization rate, power increases by 2~3% and efficiency increases by 0.4~0.6%.
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**PID Resistance**  
Excellent Anti-PID performance guarantee via optimized mass-production process and material control.
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**Low-light Performance**  
Excellent performance in low light.
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**Enhanced Mechanical Load**  
Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).
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**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.
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**EL Full Inspection**  
Dual-stage 100% EL Inspection.

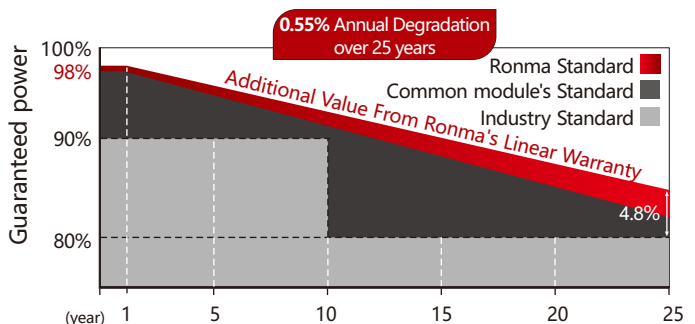


### Comprehensive Products and System Certificates

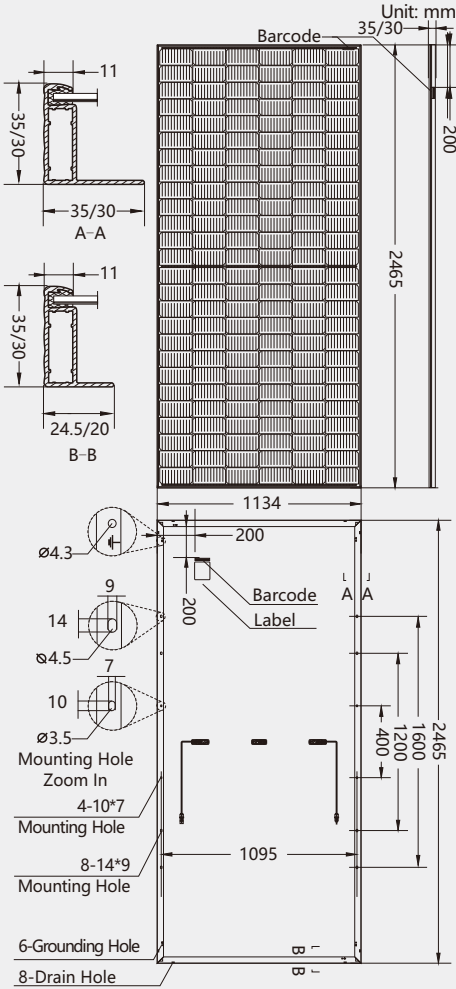
- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System

### LINEAR PERFORMANCE WARRANTY

15-year product warranty / 25-year linear power warranty



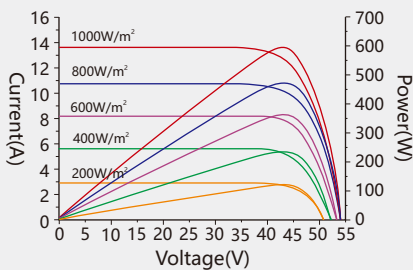
### Dimensions of PV Module



### RM-585W-182M/156

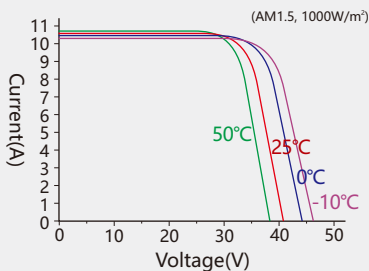
#### I-V characteristics at different irradiances

Cells temp.=25°C



#### I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



### ELECTRICAL DATA(STC)

| Model Number                  | RM-570W-182M/156 | RM-575W-182M/156 | RM-580W-182M/156 | RM-585W-182M/156 | RM-590W-182M/156 | RM-595W-182M/156 | RM-600W-182M/156 |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Rated Power in Watts-Pmax(Wp) | 570              | 575              | 580              | 585              | 590              | 595              | 600              |
| Open Circuit Voltage-Voc(V)   | 53.25            | 53.50            | 53.75            | 54.00            | 54.20            | 54.40            | 54.60            |
| Short Circuit Current-Isc(A)  | 13.58            | 13.63            | 13.68            | 13.73            | 13.80            | 13.88            | 13.96            |
| Max. Power Voltage-Vmpp(V)    | 44.50            | 44.70            | 44.90            | 45.15            | 45.30            | 45.45            | 45.60            |
| Max. Power Current-Impp(A)    | 12.82            | 12.87            | 12.92            | 12.97            | 13.03            | 13.10            | 13.17            |
| Module Efficiency(%)          | 20.39            | 20.57            | 20.75            | 20.93            | 21.11            | 21.29            | 21.46            |

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

### MECHANICAL DATA

|                    |   |
|--------------------|---|
| Solar Cells        | Monocrystalline   |
| Cell Size          | 182mm×91mm  |
| Cell Configuration | 156 cells (6×13+6×13)   |
| Module Dimensions  | 2465×1134×35/30mm   |
| Weight             | 30kg  |
| Glass              | High Transmission, Low Iron, Tempered ARC Glass 3.2mm                                     |
| Back Sheet         | White   |
| Frame              | Anodized Aluminium Alloy type 6005 T6, Silver Color                                       |
| J-box              | IP68, 1500V DC, 3 Diodes  |
| Cable              | 4.0mm <sup>2</sup> , (+) 300mm, (-) 200mm ( Connector Included ) Length can be customized |
| Connector          | MC4-compatible  |

### TEMPERATURE & MAXIMUM RATINGS

|   |               |
|---|---------------|
| Nominal Operating Cell Temperature (NOCT) | 44°C ± 2°C    |
| Temperature Coefficient of Voc            | -0.27%/°C     |
| Temperature Coefficient of Isc            | 0.04%/°C      |
| Temperature Coefficient of Pmax           | -0.36%/°C     |
| Operational Temperature                   | -40°C ~ +85°C |
| Max. System Voltage                       | 1500V DC      |
| Max. Series Fuse Rating                   | 25A           |

### PACKAGING CONFIGURATION

|   |                |                |
|---|----------------|----------------|
| Height of Modules (mm)                    | 35             | 30             |
| Number of Modules Per Pallet              | 31             | 36             |
| Packaging Box Dimensions (l×w×h) (mm)     | 2485×1120×1260 | 2485×1120×1260 |
| Box Gross Weight (kg)                     | 960            | 1110           |
| Number of Modules Per 40ft (HQ) Container | 496            | 576            |
| Number of Pallets Per 40ft (HQ) Container | 16             | 16             |

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT  
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