

REESUN156H-182M Mono Crystal Single-Glass 575-600W

**High Efficiency
Low LID Mono PERC with
Half-cut Technology**

Better anti-PID performance

Guaranteed power tolerance(0~+5W)

High module conversion efficiency(up to 21.47%)

Lower current

higher power generation

Lower risk of hot spot

Low LID Mono PERC technology: first year < 2.0%, 0.55% year 2-25

Comprehensive System and Product Certifications

IEC 61215, IEC 61730

ISO 9001:2015: ISO Quality Management System

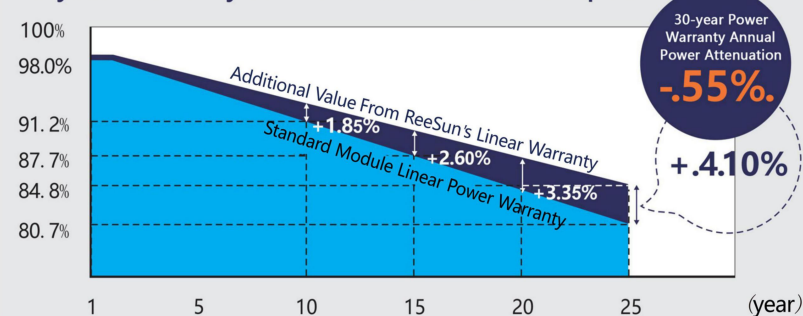
ISO 14001:2015: ISO Environmental Management System

ISO 45001:2018 Occupational Health and Safety

* Specifications subject to technical changes and tests.

ReeSun solar reserves the right of interpretation.

**12-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power Output.**



JIANGSU REESUN SOLAR CO.,LTD.

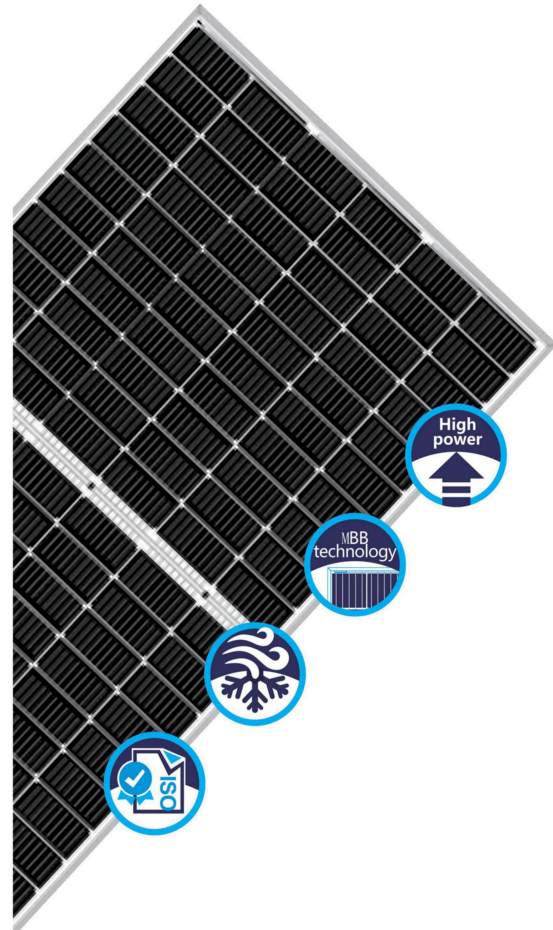
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Jiangsu ReeSun Solar Co., Ltd. is a high-tech PV enterprise dedicated to research, development, production, sales & after sales service, mainly engaged in crystalline silicon solar cells, solar modules, photovoltaic systems PV applications. Our product specifications are compatible with 158-210 size cells adopting German TUV quality control standards, and realizing the whole process quality traceability from auxiliary materials to finished products.



REESUN156H-182M

575-600W

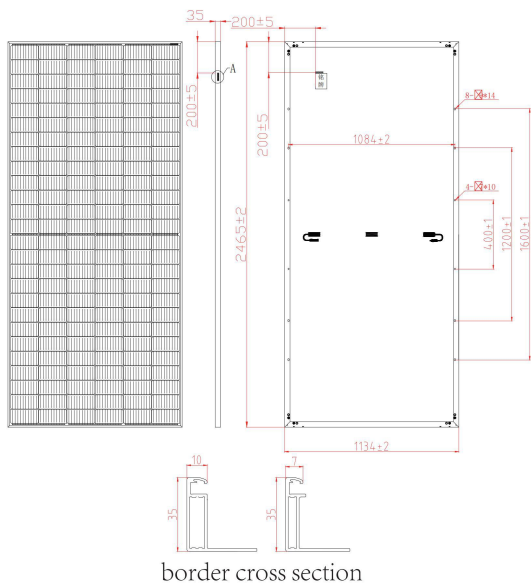
Electrical Characteristics

Test uncertainty for Pmax: ±3%

| Model Number | 575W | | 580W | | 585W | | 590W | | 595W | | 600W | |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 575 | 434 | 580 | 438 | 585 | 442 | 590 | 446 | 595 | 450 | 600 | 454 |
| Voltage at Maximum Power (Vmp/V) | 44.10 | 42.42 | 44.35 | 42.55 | 44.56 | 42.69 | 44.80 | 42.82 | 45.05 | 42.94 | 45.30 | 43.07 |
| Current at Maximum Power (Imp/A) | 13.04 | 10.23 | 13.08 | 10.30 | 13.13 | 10.36 | 13.17 | 10.42 | 13.21 | 10.48 | 13.25 | 10.54 |
| Open Circuit Voltage (Voc/V) | 53.01 | 50.31 | 53.11 | 50.45 | 53.20 | 50.59 | 53.30 | 50.72 | 53.40 | 50.86 | 53.50 | 51.01 |
| Short Circuit Current (Isc/A) | 13.79 | 10.98 | 13.84 | 11.02 | 13.88 | 11.07 | 13.93 | 11.13 | 13.98 | 11.19 | 14.03 | 11.25 |
| Module Efficiency (%) | 20.57 | | 20.75 | | 20.93 | | 21.11 | | 21.29 | | 21.47 | |

STC (Standard Testing Conditions): Irradiance 1000W/m² Cell Temperature 25°C, AM1.5
 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

Design(mm)



Mechanical & Operating parameters

| | |
|------------------------------------|--|
| Cell Orientation | 156 (6×26) |
| Junction Box | IP68, three diodes |
| Output Cable | 4mm ² , 300mm in length, length can be customized |
| Glass | Single glass 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 31kg±3% |
| Dimension | 2465×1134×35mm |
| Packaging | 31pcs/pallet 496pcs/40'HC |
| Operational Temperature | -40°C ~ +85°C |
| Power Output Tolerance | 0~+5 W |
| Voc and Isc Tolerance | ±4%/±3% |
| Maximum System Voltage | DC1500V (IEC/UL) |
| Maximum Series Fuse Rating | 25A |
| Nominal Operating Cell Temperature | 45±2°C |
| Safety Class | Class II |
| Fire Rating | Class C |

Temperature Ratings(STC)

| | |
|---------------------------------|------------|
| Temperature Coefficient of Isc | +0.048%/°C |
| Temperature Coefficient of Voc | -0.270%/°C |
| Temperature Coefficient of Pmax | -0.350%/°C |

Mechanical Loading

| | |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa |
| Rear Side Maximum Static Loading | 2400Pa |
| Hailstone Test | 25mm Hailstone at the speed of 23m/s |

I-V 曲线 (REESUN156H-182M-590W)

