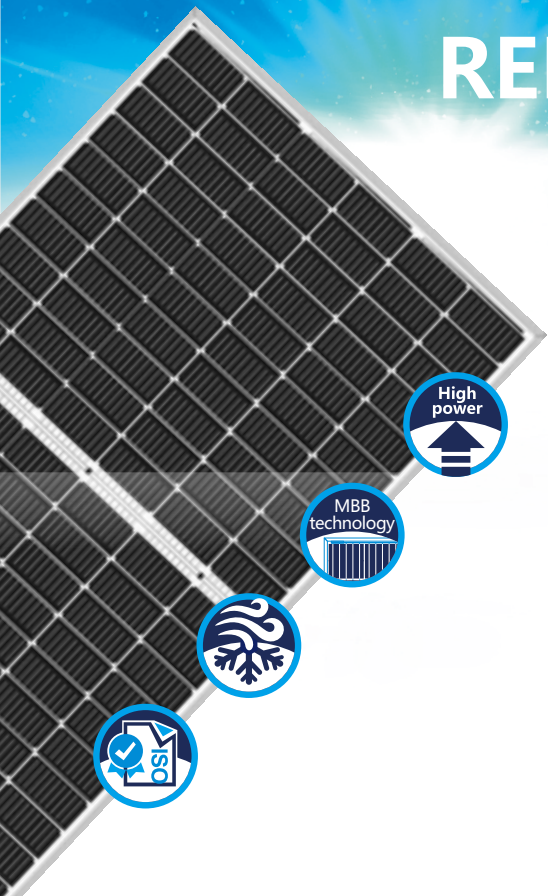


# REESUN120H-166M-9BB 350-380W



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

**Positive power tolerance** (0 ~ +5W) guaranteed

**High module conversion efficiency** (up to 20.86%)

**Slower power degradation enabled by Low LID Mono PERC technology:**  
first year <2.0%, 0.55% year 2-25

**Solid PID resistance** ensured by solar cell process optimization and careful module BOM selection

**Reduced resistive loss** with lower operating current  
**Higher energy yield** with lower operating temperature

**Reduced hot spot risk** with optimized electrical design and lower operating current

### Complete System and Product Certifications

IEC 61215, IEC 61730

ISO 9001:2015: ISO Quality Management System

ISO 14001:2015: ISO Environment Management System

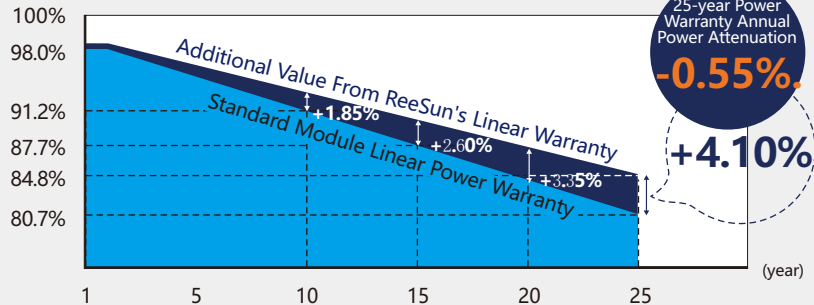
ISO 45001:2018 Occupational Health and Safety



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 panels, photovoltaic systems, PV applications. Our product specifications are compatible with 158-210 size battery cells, adopting German TUV quality control standards, and realizing the whole process quality traceability from auxiliary materials to finished components.

\* 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.

**ADD:** No.1 Nanjing Road, Jianhu Economic Development Area, Yancheng, Jiangsu, China. | 224799

**TEL:** +086 0515-86230222

**Fax:** +086 0515-86230333

**Email:** Daniel@rj-solar.cn

**Web:** <http://www.reesun-solar.com>

# REESUN120H-166M-9BB

# 350-380W



## Electrical Characteristics

|                                  |  |
|----------------------------------|--|
| Model Number                     |  |
| Testing Condition                |  |
| Maximum Power (Pmax/W)           |  |
| Voltage at Maximum Power (Vmp/V) |  |
| Current at Maximum Power (Imp/A) |  |
| Open Circuit Voltage (Voc/V)     |  |
| Short Circuit Current (Isc/A)    |  |
| Module Efficiency (%)            |  |

## Electrical Characteristics

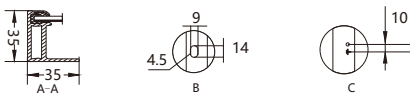
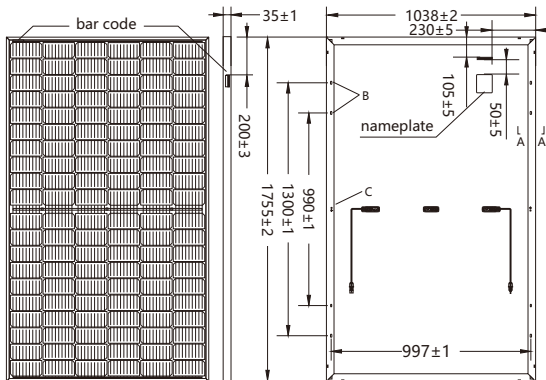
Test uncertainty for Pmax: ±3%

|                                  | 350W  |       | 355W  |       | 360W  |       | 365W  |       | 370W  |       | 375W  |       | 380W  |       |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  |
| Maximum Power (Pmax/W)           | 350   | 261.4 | 355   | 265.1 | 360   | 268.8 | 365   | 272.6 | 370   | 276.3 | 375   | 280.0 | 380   | 283.8 |
| Voltage at Maximum Power (Vmp/V) | 33.6  | 31.3  | 33.8  | 31.5  | 34.0  | 31.7  | 34.2  | 31.8  | 34.4  | 32.0  | 34.6  | 32.2  | 34.8  | 32.4  |
| Current at Maximum Power (Imp/A) | 10.42 | 8.35  | 10.51 | 8.43  | 10.59 | 8.49  | 10.68 | 8.56  | 10.76 | 8.63  | 10.84 | 8.69  | 10.92 | 8.76  |
| Open Circuit Voltage (Voc/V)     | 40.1  | 37.6  | 40.3  | 37.8  | 40.5  | 38.0  | 40.7  | 38.2  | 40.9  | 38.3  | 41.1  | 38.5  | 41.3  | 38.7  |
| Short Circuit Current (Isc/A)    | 11.15 | 9.02  | 11.25 | 9.10  | 11.35 | 9.17  | 11.43 | 9.25  | 11.52 | 9.32  | 11.60 | 9.38  | 11.69 | 9.45  |
| Module Efficiency (%)            | 19.21 |       | 19.49 |       | 19.76 |       | 20.04 |       | 20.31 |       | 20.59 |       | 20.86 |       |

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## Design (mm)



## Mechanical & Operating Parameters

|                                    |  |
|------------------------------------|--|
| Cell Orientation                   | 120 (6×20)   |
| Junction Box                       | IP68, three diodes   |
| Output Cable                       | 4mm <sup>2</sup> , 300mm in length, length can be customized |
| Glass                              | Single glass 3.2mm coated tempered glass                     |
| Frame                              | Anodized aluminum alloy frame                                |
| Weight                             | 21kg   |
| Dimension                          | 1755×1038×35mm   |
| Packaging                          | 31pcs/pallet 806pcs/40'HC                                    |
| Operational Temperature            | -40°C ~ +85°C  |
| Power Output Tolerance             | 0~+5 W   |
| Voc and Isc Tolerance              | ±3%  |
| Maximum System Voltage             | DC1500V (IEC/UL)   |
| Maximum Series Fuse Rating         | 20A  |
| Nominal Operating Cell Temperature | 45±2°C   |
| Safety Class                       | Class II   |
| Fire Rating                        | Class C  |

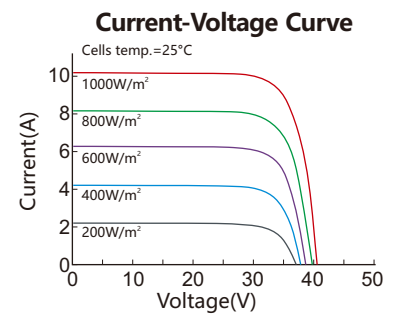
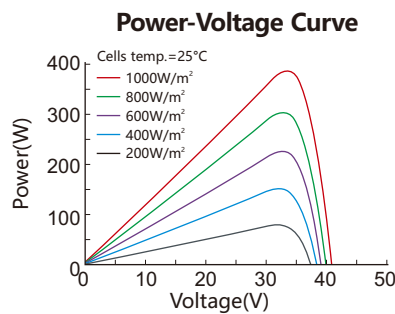
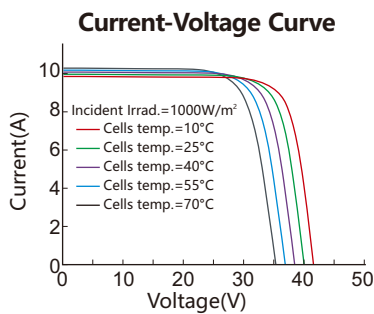
## Temperature Ratings (STC)

|                                 |            |
|---------------------------------|------------|
| 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 Curve (REESUN120H-166M-365W)



## JIANGSU REESUN SOLAR CO.,LTD.

ADD: No.1 Nanjing Road, Jianhu Economic Development Area, Yancheng, Jiangsu, China. | 224799

TEL: +086 0515-86230222

Fax: +086 0515-86230333

Email: Daniel@rj-solar.cn

Web: <http://www.reesun-solar.com>