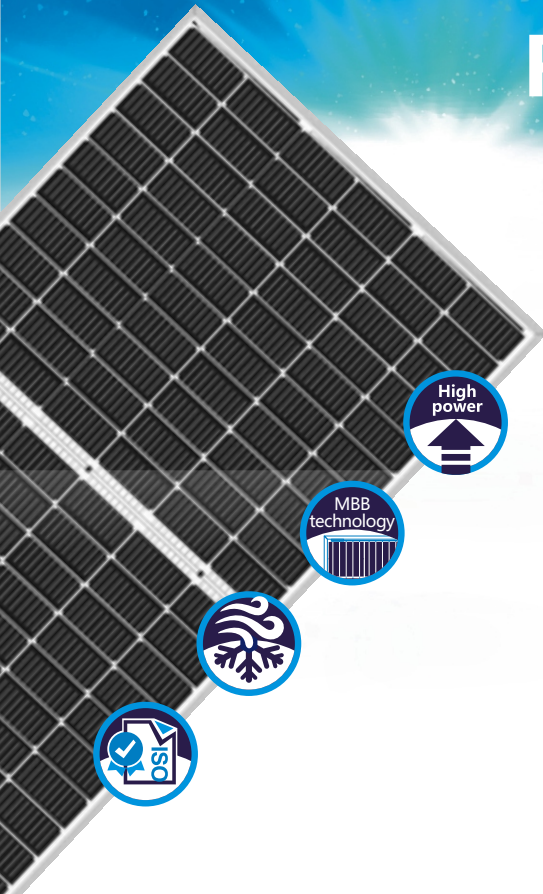


SZSSTH

RSM120HB-166M-9BB 350-375W



High Efficiency Low LID Mono PERC with Half-cut Technology

Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 20.0%)

Slower power degradation enabled by Low LID Mono PERC technology:

first year <2.5%, 0.56% 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

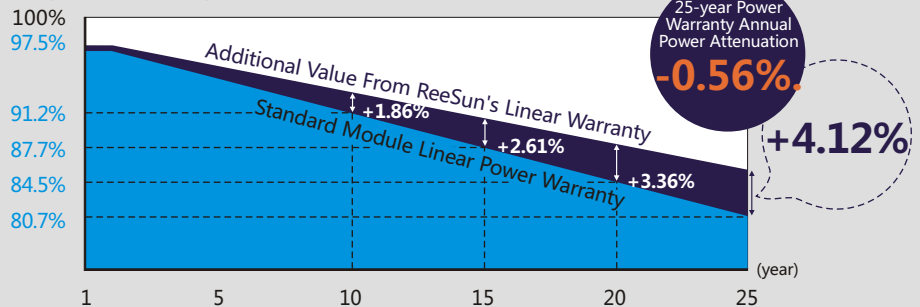
ISO 45001:2018 Occupational Health and Safety



Shenzhen SZSSTH Company 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.
ReeSuna solar reserves the right of interpretation.

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



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Website: www.ssthpower.com

RSM120HB-166M-9BB

350-375W

SZSSTH

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 (%) | |

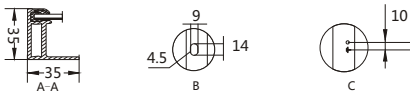
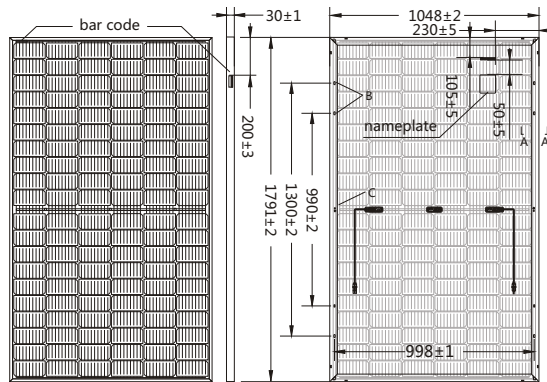
Electrical Characteristics

Test uncertainty for Pmax: +3%

| | 350W | 355W | 360W | 365W | 370W | 375W |
|-------|-------|-------|-------|-------|-------|------|
| STC | STC | STC | STC | STC | STC | STC |
| 350 | 355 | 360 | 365 | 370 | 375 | |
| 33.34 | 33.62 | 33.90 | 34.18 | 34.46 | 34.73 | |
| 10.50 | 10.56 | 10.62 | 10.68 | 10.74 | 10.80 | |
| 40.10 | 40.40 | 40.70 | 41.00 | 41.30 | 41.60 | |
| 11.04 | 11.10 | 11.16 | 11.22 | 11.28 | 11.34 | |
| 18.7 | 18.9 | 19.2 | 19.4 | 19.7 | 20.0 | |

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

Design (mm)



| | Pmax/W | Voc/V | Isc/A | Vmp/V | Imp/A | Pmax gain |
|--|--------|-------|-------|-------|-------|-----------|
| Electrical characteristics with different rear side power gain (reference to 360W front) | 379 | 40.70 | 11.72 | 34.00 | 11.15 | 5% |
| | 397 | 40.70 | 12.28 | 34.00 | 11.68 | 10% |
| | 414 | 40.80 | 12.83 | 33.90 | 12.21 | 15% |
| | 432 | 40.80 | 13.39 | 33.90 | 12.74 | 20% |
| | 450 | 40.80 | 13.95 | 33.90 | 13.28 | 25% |

Mechanical Parameters

Operating Parameters

| | |
|--|--|
| Cell Orientation: 144 (6x24) | Operational Temperature: -40°C ~ +85°C |
| Junction Box: IP68, three diodes | Power Output Tolerance: 0~+5 W |
| Output Cable: 4mm ² , 300mm in length, length can be customized | Maximum System Voltage: DC1500V (IEC/UL) |
| | Maximum Series Fuse Rating: 20A |
| Glass: Dual glass 2.0mm coated tempered glass | Voc and Isc Tolerance: ±3% |
| Frame: Anodized aluminum alloy frame | Nominal Operating Cell |
| Weight: 23.5kg | Temperature: 45±2°C |
| Dimension: 1791×1048×30mm | Safety Class: Class II |
| Packaging: 35pcs per pallet | Fire Rating: UL |
| 175pcs per 20'/GP | Bifaciality: Glazing 70±5% |
| 804pcs per 40'/HC | |

Temperature Ratings (STC)

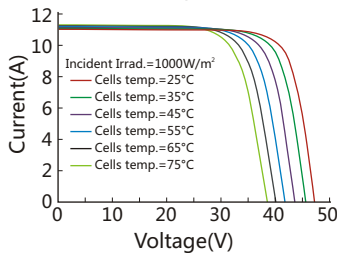
| | |
|---------------------------------|------------|
| Temperature Coefficient of Isc | +0.050%/°C |
| Temperature Coefficient of Voc | -0.284%/°C |
| Temperature Coefficient of Pmax | -0.350%/°C |

Mechanical Loading

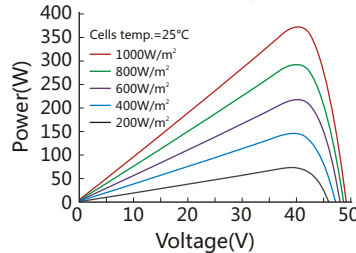
| | |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa |
| Rear Side Maximum Static Loading | 2400Pa |
| Hailstone Test | 25mm Hailstone at the speed of 23m/s |

I-V Curve (RSM144HB-166M-360W)

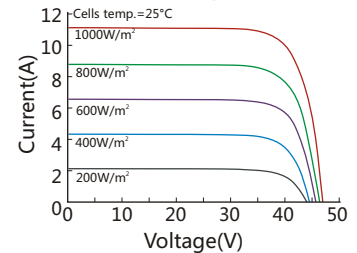
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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