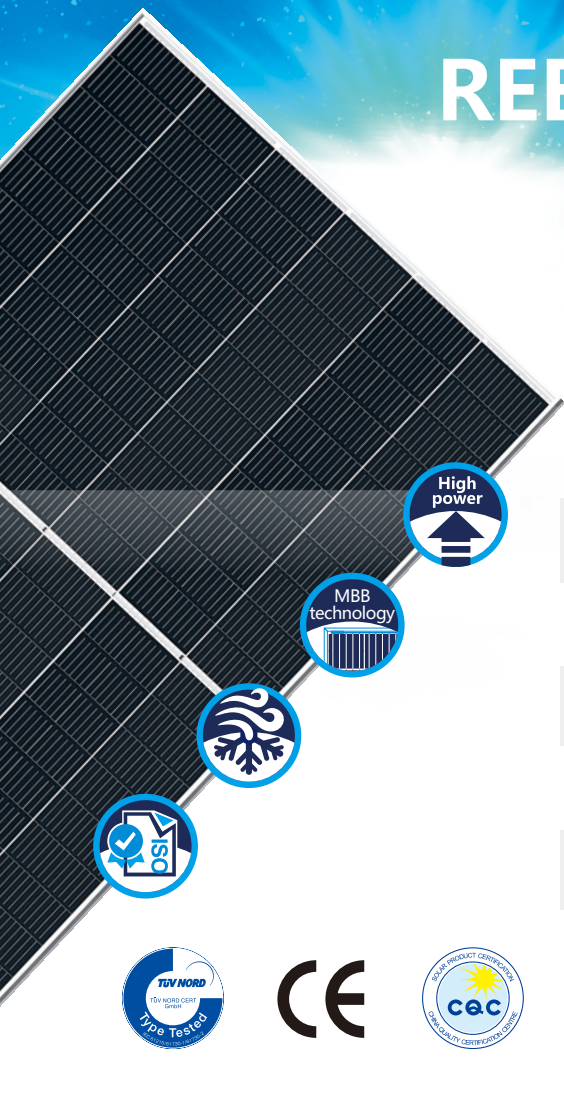


REESUN132H-210M-12BB 635-665W

High Efficiency Low LID Mono PERC with Half-cut Technology



Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 21.43%)

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

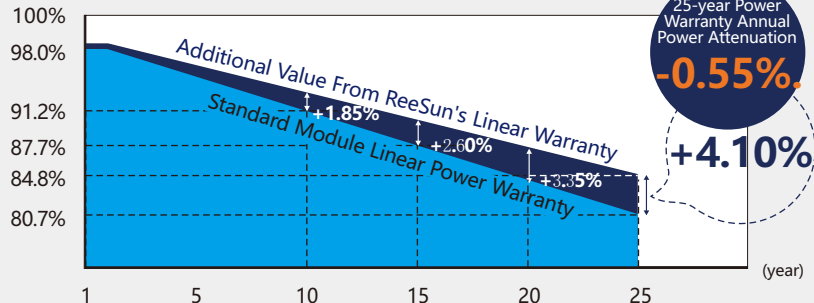
ISO 9001:2015: ISO Quality Management System

ISO 14001:2015: ISO Environment Management System

ISO 45001:2018 Occupational Health and Safety

* 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. 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.



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Electrical Characteristics

Electrical Characteristics

Test uncertainty for Pmax: ±3%

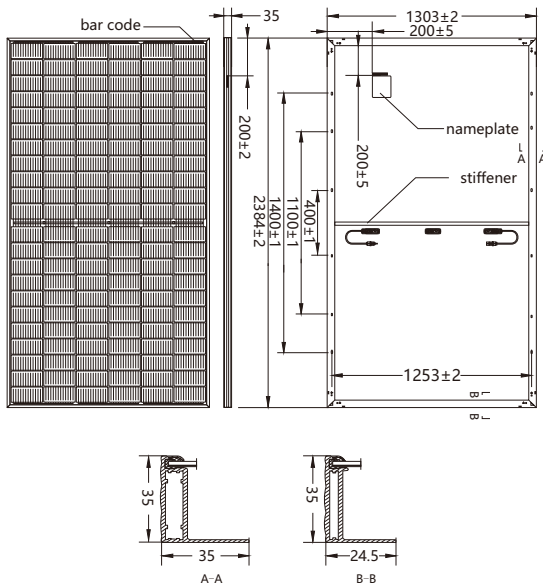
| Model Number | 645W | | 650W | | 655W | | 660W | | 665W | | 670W | |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Testing Condition | | | | | | | | | | | | |
| Maximum Power (Pmax/W) | 645 | 488 | 650 | 492 | 655 | 496 | 660 | 500 | 665 | 504 | 670 | 508 |
| Voltage at Maximum Power (Vmp/V) | 37.20 | 34.8 | 37.40 | 34.9 | 37.60 | 35.1 | 37.80 | 35.3 | 38.00 | 35.4 | 38.20 | 35.6 |
| Current at Maximum Power (Imp/A) | 17.35 | 14.05 | 17.39 | 14.09 | 17.43 | 14.13 | 17.47 | 14.17 | 17.51 | 14.22 | 17.55 | 14.26 |
| Open Circuit Voltage (Voc/V) | 45.10 | 42.5 | 45.30 | 42.7 | 45.50 | 42.9 | 45.70 | 43.0 | 45.90 | 43.2 | 46.10 | 43.4 |
| Short Circuit Current (Isc/A) | 18.39 | 14.82 | 18.44 | 14.86 | 18.48 | 14.89 | 18.53 | 14.93 | 18.57 | 14.96 | 18.62 | 15.01 |
| Module Efficiency (%) | 20.76 | | 20.92 | | 21.09 | | 21.25 | | 21.41 | | 21.57 | |

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at 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 | 132 (6×22) |
| Junction Box | IP68, three diodes |
| Output Cable | 4mm ² , 350mm in length, length can be customized |
| Glass | Single glass 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 33.9kg |
| Dimension | 2384×1303×35mm |
| Packaging | 31pcs/pallet 558pcs/13.75m flat car |
| 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 | 30A |
| Nominal Operating Cell Temperature | 45±2°C |
| Safety Class | Class II |
| Fire Rating | Class C |

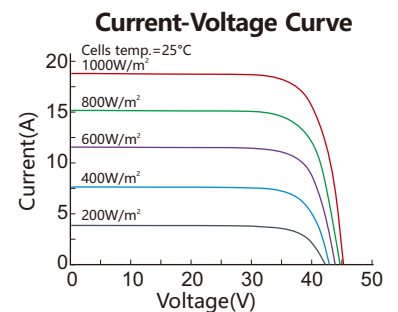
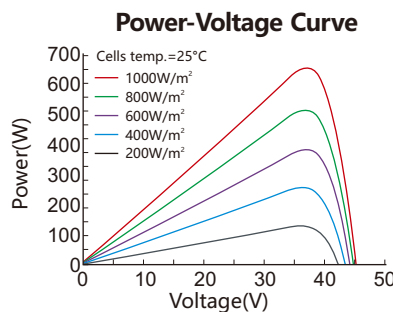
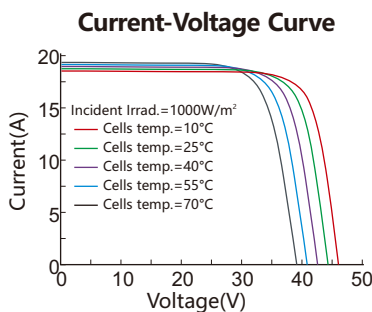
Temperature Ratings (STC)

Mechanical Loading

| | |
|---------------------------------|-----------|
| Temperature Coefficient of Isc | +0.04%/°C |
| Temperature Coefficient of Voc | -0.27%/°C |
| Temperature Coefficient of Pmax | -0.34%/°C |

| | |
|-----------------------------------|--------------------------------------|
| 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 (REESUN132H-210M-655W)



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