

REESUN132HB-210M Mono Crystal Bifacial Double-Glass 640-665 W

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 21.41 %)

Lower current

higher power generation

Lower risk of hot spot

Low LID Mono PERC technology: first year < 2.0% ,0.45% year 2-30

Comprehensive System and Product Certifications

IEC 61215, IEC 61730

ISO 9001:2015: ISO Quality Management System

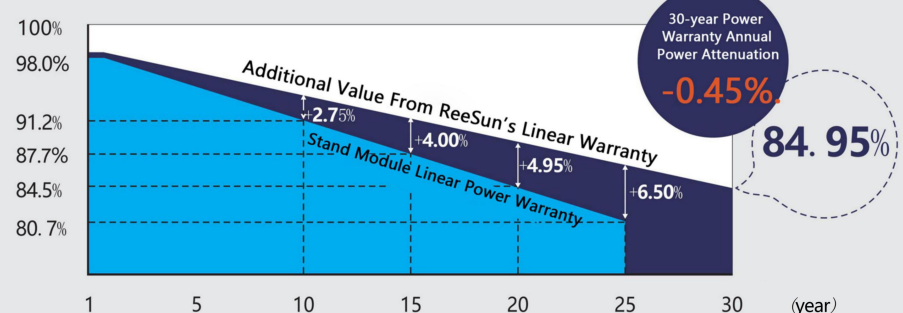
ISO 14001:2015: ISO Environmental Management System

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;
30-year Warranty for Extra Linear Power Output.



JIANGSU REESUN SOLAR CO.,LTD.

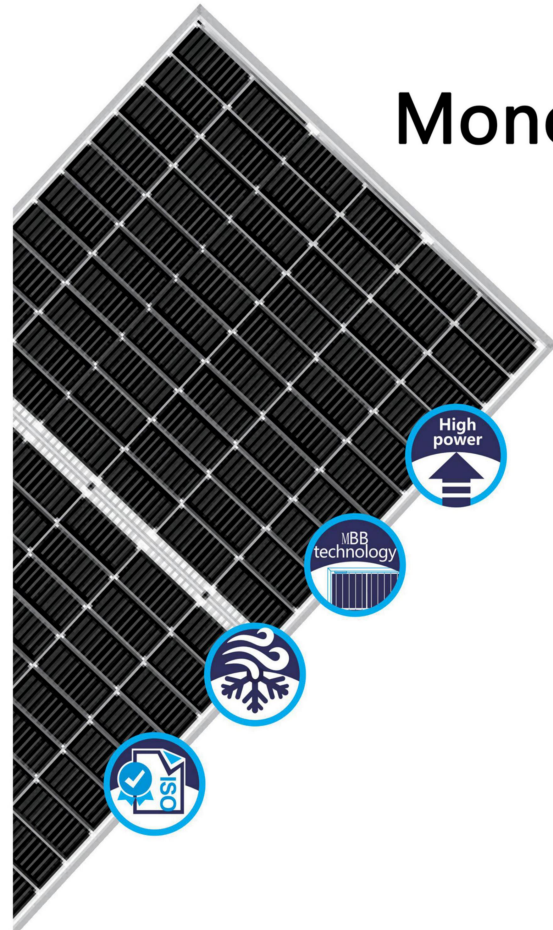
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Jiangsu ReeSun Solar Co., Ltd. is a high-tech PV enterprise dedicated to research , development , production , sales & after sales service , mainly engaged in crystalline silicon solar cells, solar modules, photovoltaic systems PV applications. Our products 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.



REESUN132HB-210M

640-665W

Front Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	640W		645W		650W		655W		660W		665W	
	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)	640	484	645	488	650	492	655	495	660	499	665	504
Voltage at Maximum Power (Vmp/V)	37.3	34.7	37.5	34.9	37.7	35.1	37.9	35.2	38.1	35.4	38.3	35.6
Current at Maximum Power (Imp/A)	17.19	13.94	17.23	13.98	17.27	14.01	17.31	14.05	17.35	14.10	17.39	14.16
Open Circuit Voltage (Voc/V)	45.1	42.5	45.3	42.7	45.5	42.9	45.7	43.0	45.9	43.2	46.1	43.4
Short Circuit Current (Isc/A)	18.26	14.71	18.31	14.75	18.35	14.79	18.40	14.83	18.45	14.87	18.50	14.91
Module Efficiency (%)	20.60		20.76		20.92		21.09		21.25		21.41	

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

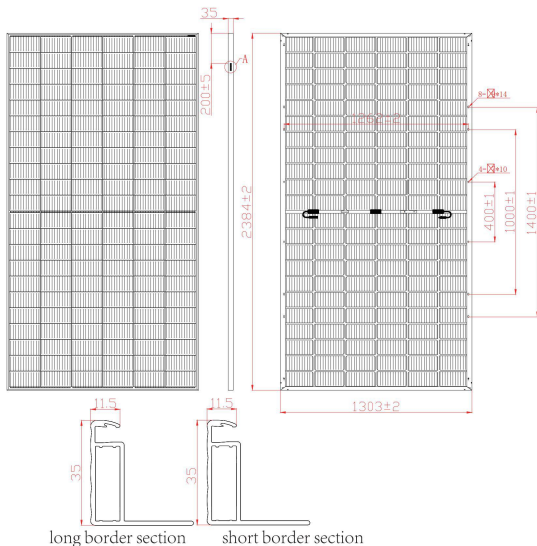
Back Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	640W		645W		650W		655W		660W		665W			
	5%	Maximum Power (Pmax/W)	672	677	682	687	693	698	Module Efficiency (%)	21.6	21.8	21.9	22.1	22.3
15%	Maximum Power (Pmax/W)	736	741	747	753	759	764	Module Efficiency (%)	23.6	23.8	24.0	24.2	24.4	24.6
25%	Maximum Power (Pmax/W)	800	806	812	818	825	831	Module Efficiency (%)	25.7	25.9	26.1	26.3	26.5	26.7

Design(mm)

Mechanical & Operating parameters



Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass 2.0mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	38.5kg±3%
Dimension	2384×1303×35mm
Packaging	31pcs/pallet 527pcs/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	35A
Nominal Operating Cell Temperature	45±2°C
Safety Class	Class II
Fire Rating	Class C

Temperature Ratings(STC)

Mechanical Loading

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°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 曲线 (REESUN132HB-210M-665W)

