

# REESUN108HB-182M Mono Crystal Bifacial Double-Glass 395-415W

**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 21.25 %)**

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

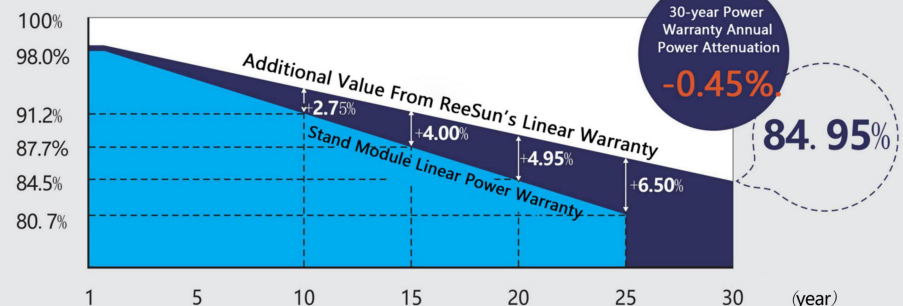
ISO 14001:2015: ISO Environmental Management System

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.**

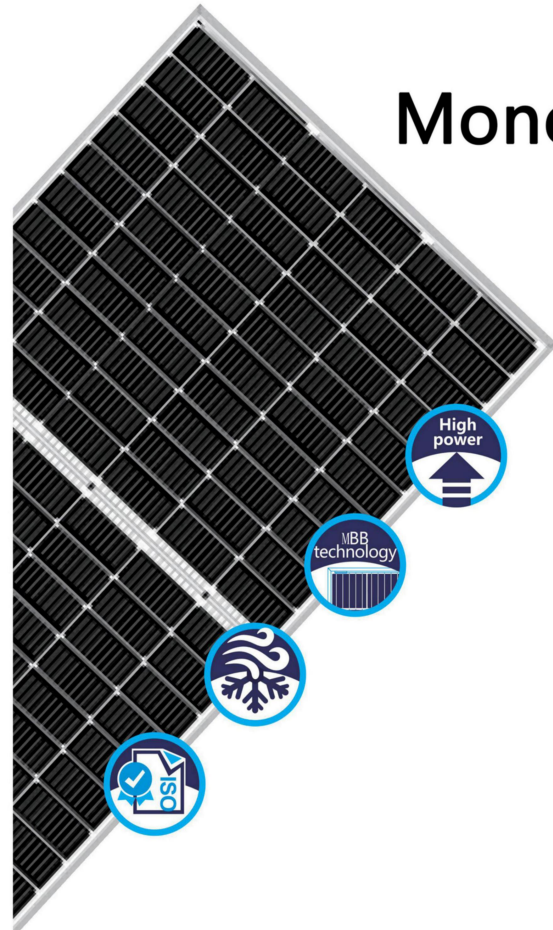
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Jiangsu ReeSun Solar Co., Ltd. is a high-tech PV enterprise dedicated to research , development , production , sales & after sales service , mainly engaged in crystalline silicon solar cells, solar modules, photovoltaic systems PV applications. Our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



# REESUN108HB-182M

# 395-415W

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	395W		400W		405W		410W		415W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	395	294	400	298	405	302	410	306	415	310
Voltage at Maximum Power (Vmp/V)	30.85	28.8	31.05	29.0	31.24	29.2	31.44	29.3	31.64	29.6
Current at Maximum Power (Imp/A)	12.81	10.23	12.89	10.30	12.97	10.36	13.04	10.42	13.13	10.48
Open Circuit Voltage (Voc/V)	36.75	34.6	37.00	34.8	37.25	35.1	37.50	35.3	37.75	35.5
Short Circuit Current (Isc/A)	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.30
Module Efficiency (%)	20.23		20.48		20.74		21.00		21.25	

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

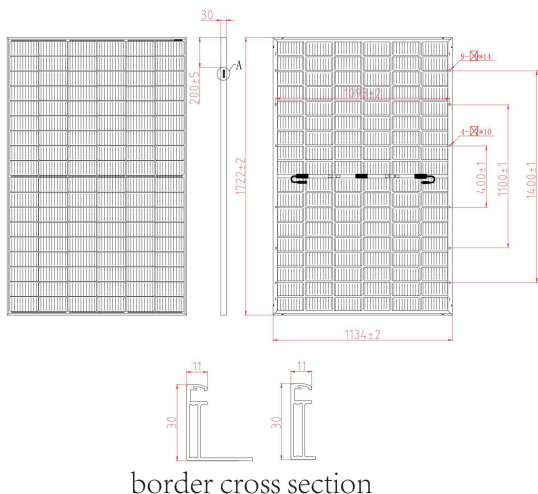
## Design(mm)

Test uncertainty for Pmax: ±3%

Model Number	395W	400W	405W	410W	415W
	<b>5%</b> Maximum Power (Pmax/W)	414	420	425	430
Module Efficiency (%)	21.2	21.5	21.7	22.0	22.3
<b>15%</b> Maximum power (pamx)	454	460	465	471	477
Module Efficiency (%)	23.2	23.5	23.8	24.1	24.4
<b>25%</b> Maximum Power (Pmax/W)	493	500	506	512	518
Module Efficiency (%)	25.2	25.6	25.9	26.2	26.5

## Design(mm)

## Mechanical & Operating parameters



Cell Orientation	108 (6×18)
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , 300mm in length, length can be customized
Glass	Single glass 2.0mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	24.5kg±3%
Dimension	1722×1134×35mm
Packaging	31pcs/pallet 806pcs/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	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	+0.048%/°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 (REESUN108HB-182M-410W)

