REESUN瑞晶太阳能 SOLAR

REESUN108H-182M
Mono Crystal Single-Glass 395-420W

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 21.51%)

Lower current
higher power generation
Lower risk of hot spot

Low LID Mono PERC technology: first year < 2.0%,0.55% year 2-25

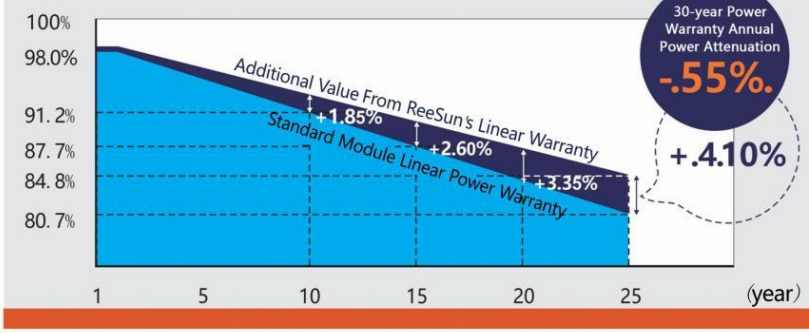
Comprehensive System and Product Certifications

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.

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 product 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.

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



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REESUN瑞晶太阳能 SOLAR

REESUN108H-182M 395-420W

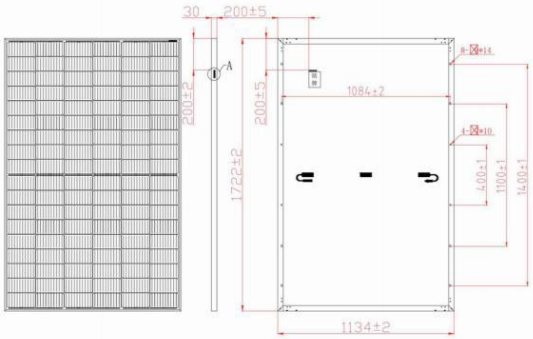
Electrical Characteristics

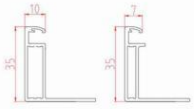
Test uncertainty for Pmax: ±3%

Model Number	395W		400W		405W		410W		415W		420W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	395	298	400	302	405	306	410	310	415	314	420	318
Voltage at Maximum Power (Vmp/V)	30.84	34.75	31.02	34.88	31.23	35.12	31.45	35.23	31.64	35.37	31.82	35.50
Current at Maximum Power (Imp/A)	12.81	29.08	12.90	29.26	12.97	29.47	13.04	29.72	13.12	29.89	13.20	30.09
Open Circuit Voltage (Voc/V)	36.98	10.96	37.07	11.03	37.19	11.10	37.32	11.16	37.45	11.22	37.58	11.29
Short Circuit Current (Isc/A)	13.70	10.25	13.79	10.32	13.87	10.38	13.95	10.43	14.02	10.50	14.10	10.57
Module Efficiency (%)	20.23		20.48		20.74		21.00		21.25		21.51	

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

Design(mm)





border cross section

Mechanical & Operating parameters

Cell Orientation	108 (6×18)
Junction Box	IP68,three diodes
Output Cable	4mm², 300mm in length, length can be customized
Glass	Single glass 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	21.5kg±3%
Dimension	1722 x 1134 x 30mm
Packaging	36pcs/pallet 936pcs/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	25A
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 曲线 (REESUN108H-182M-410W)