

REESUN150T-210M-12BB 480-505W

High Efficiency Low LID Mono PERC with Third-cut Technology



Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 21.11%)

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

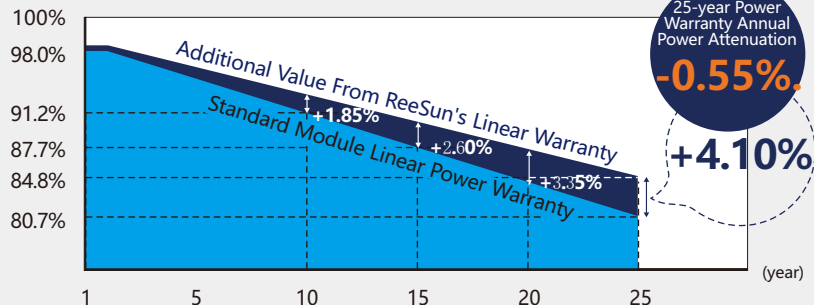
ISO 9001:2015: ISO Quality Management System

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.



JIANGSU REESUN SOLAR CO.,LTD.

ADD: No.1 Nanjing Road, Jianhu Economic Development Area, Yancheng, Jiangsu, China. | 224799

TEL: +086 0515-86230222

Fax: +086 0515-86230333

Email: Daniel@rj-solar.cn

Web: <http://www.reesun-solar.com>

Electrical Characteristics

Electrical Characteristics

Test uncertainty for Pmax: ±3%

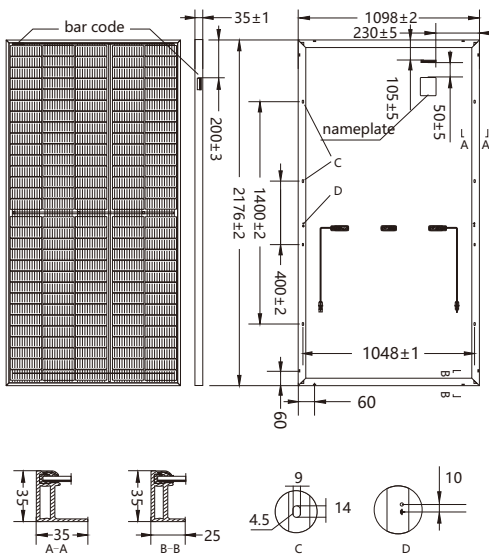
Model Number	480W		485W		490W		495W		500WDOCT		505WDOCT	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	379	STC	382
Testing Condition												
Maximum Power (Pmax/W)	480	363	485	367	490	371	495	375	500	40.4	505	40.6
Voltage at Maximum Power (Vmp/V)	42.0	39.6	42.2	39.8	42.4	40.0	42.6	40.2	42.8	9.37	43.0	9.43
Current at Maximum Power (Imp/A)	11.42	9.15	11.49	9.20	11.56	9.26	11.63	9.32	11.69	48.8	11.75	49.0
Open Circuit Voltage (Voc/V)	50.8	48.0	51.1	48.2	51.3	48.4	51.5	48.6	51.7	9.89	51.9	9.94
Short Circuit Current (Isc/A)	11.99	9.65	12.07	9.72	12.14	9.77	12.21	9.83	12.28		12.35	
Module Efficiency (%)	20.07		20.28		20.49		20.69		20.90		21.11	

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 150 (2×5×15)

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 26.3kg

Dimension 2176×1098×35mm

Packaging 31pcs/pallet 682pcs/40'HC

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 20A

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

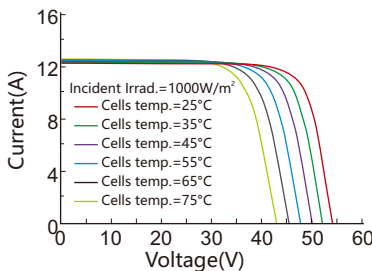
Front Side Maximum Static Loading 5400Pa

Rear Side Maximum Static Loading 2400Pa

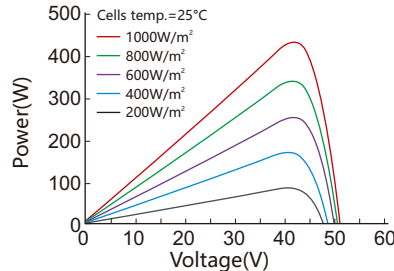
Hailstone Test 25mm Hailstone at the speed of 23m/s

I-V Curve (REESUN150T-210M-490W)

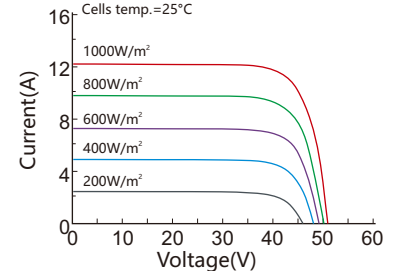
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



JIANGSU REESUN SOLAR CO.,LTD.

ADD: No.1 Nanjing Road, Jianhu Economic Development Area, Yancheng, Jiangsu, China. | 224799

TEL: +086 0515-86230222

Fax: +086 0515-86230333

Email: Daniel@rj-solar.cn

Web: <http://www.reesun-solar.com>