



# MONOCRYSTALLINE SINGLE GLASS 580-605W REESUN120H-210M

High efficiency and low LID  
PERC monocrystalline technology  
HALF-CELL technology

-  Excellent Anti-PID performance
-  Guaranteed power tolerance (0 ~+5W)
-  Excellent wind and snow loads up to 5400Pa under specific installation methods
-  Lower current, higher power generation, lower risk of hot spots
-  Excellent low irradiation performance
-  Higher component conversion efficiency (up to 21.38%)
-  12-year product quality warranty, 25-year linear output power warranty

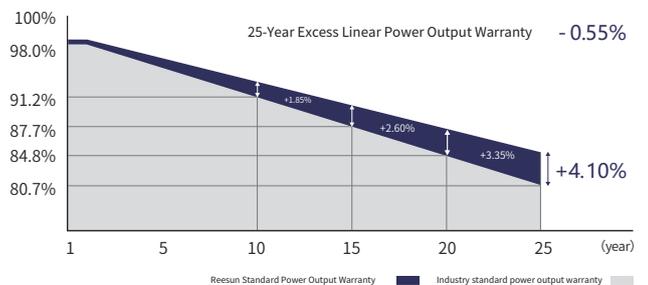
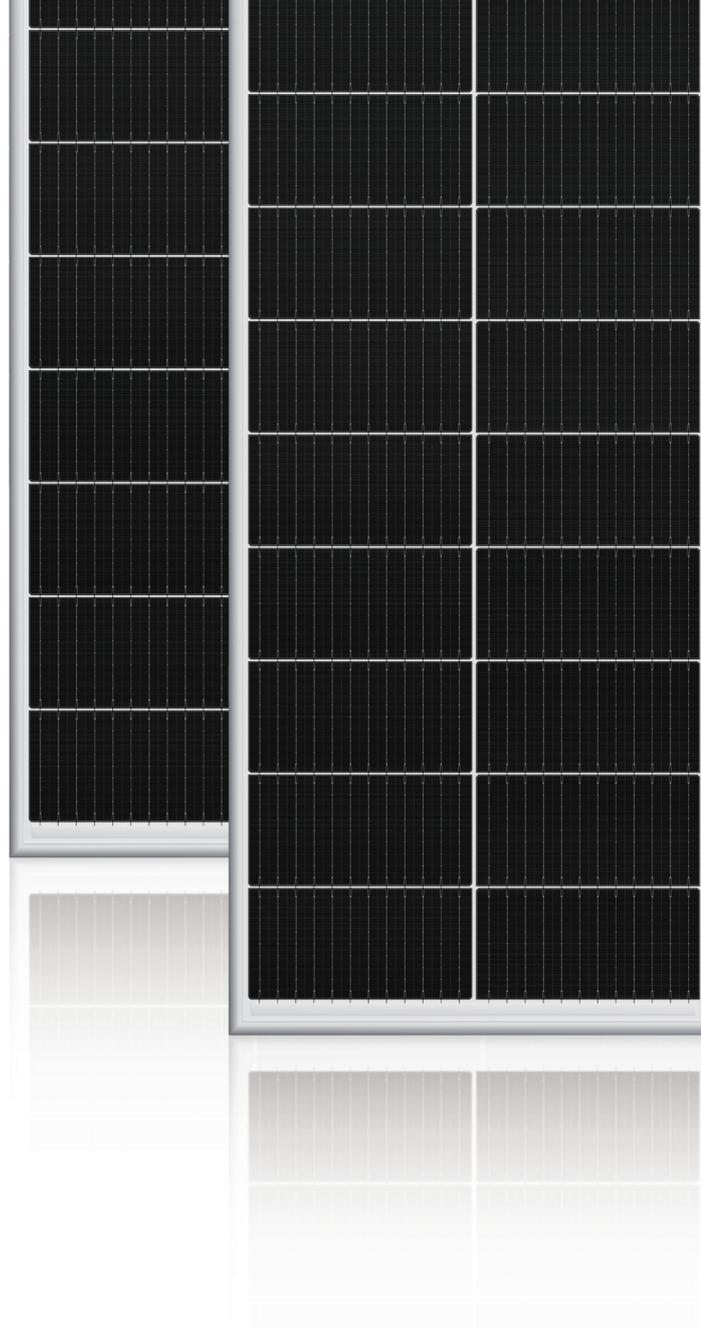
## Comprehensive Product And System Certification

IEC 61215, IEC 61730

ISO 9001:2015: ISO Quality Management System Certification

ISO 14001:2015: ISO Environmental management system certification

ISO 45001:2018 Occupational Health and Safety Management System Certification



\*Reesun Solar reserves the right to interpret technical changes and test specifications.

# REESUN120H-210M 580-605W

## Electrical Performance Parameters

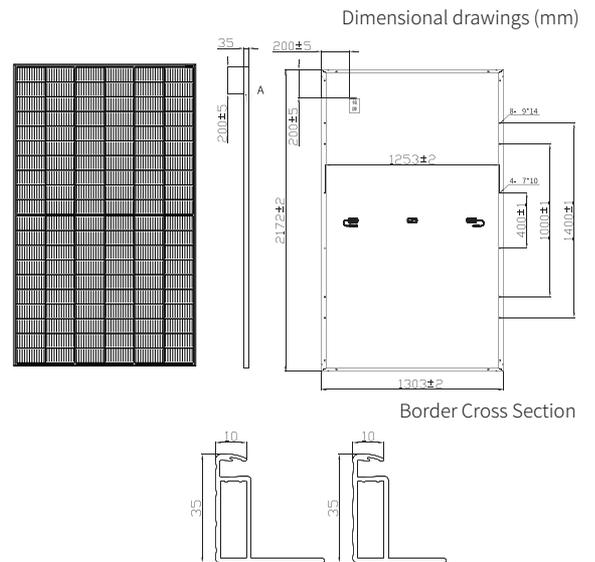
Maximum power test tolerance :  $\pm 3\%$

Component model	580W		585W		590W		595W		600W		605W	
	STC	NOCT										
Testing environment	STC	NOCT										
Maximum power [Pmax/W]	580	439	585	443	590	447	595	450	600	454	605	458
Maximum power voltage [Vmp/V]	33.60	31.53	33.80	31.69	34.00	31.89	34.20	32.02	34.40	32.22	34.60	32.42
Maximum power current [Imp/A]	17.27	13.95	17.31	13.99	17.35	14.04	17.40	14.08	17.44	14.12	17.49	14.16
Open circuit voltage [Voc/V]	40.70	37.94	40.90	38.13	41.10	38.32	41.30	38.50	41.50	38.69	41.70	38.87
Short circuit current [Isc/A]	18.32	14.85	18.37	14.89	18.42	14.93	18.47	14.97	18.52	15.02	18.57	15.06
Component efficiency [%]	20.49		20.67		20.85		21.02		21.20		21.38	

Maximum power test Common Standard Test Environment (STC) irradiance 1000W/m<sup>2</sup>, atmospheric quality AM1.5, module temperature 25 °C  
Nominal operating battery temperature (NOCT): irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, atmospheric quality AM1.5, wind speed 1m/s

## Mechanical And Operating Parameters

Number of battery cells	120(6×20)
Junction box	IP68 Three diodes
Output cable	4mm <sup>2</sup> , length 300mm, Customizable length
Glass	3.2mm Single layer coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	31kg $\pm$ 3%
Size	2172×1303×35mm
Packing	31pcs per pallet 558pcs per 40'HC
Working temperature	-40°C ~ +85°C
Power tolerance	0~+5 W
Current and voltage tolerance	$\pm 4\%/\pm 3\%$
Maximum system voltage	DC1500V (IEC)
Maximum fuse current rating	30A
Nominal operating battery temperature	45 $\pm$ 2°C
Safety level	Class II
Fire rating	Class C



## Temperature Coefficient(STC)

Short circuit current temperature coefficient of frame section	+0.048%/°C
Open circuit voltage temperature coefficient	-0.270%/°C
Maximum power temperature coefficient	-0.350%/°C

## Mechanical Load

Front maximum static load	5400Pa
Maximum back static load	2400Pa
Hail test	25mm hail, impact at 23 m/s

## I-V Curve (REESUN120H-210M-590W)

