






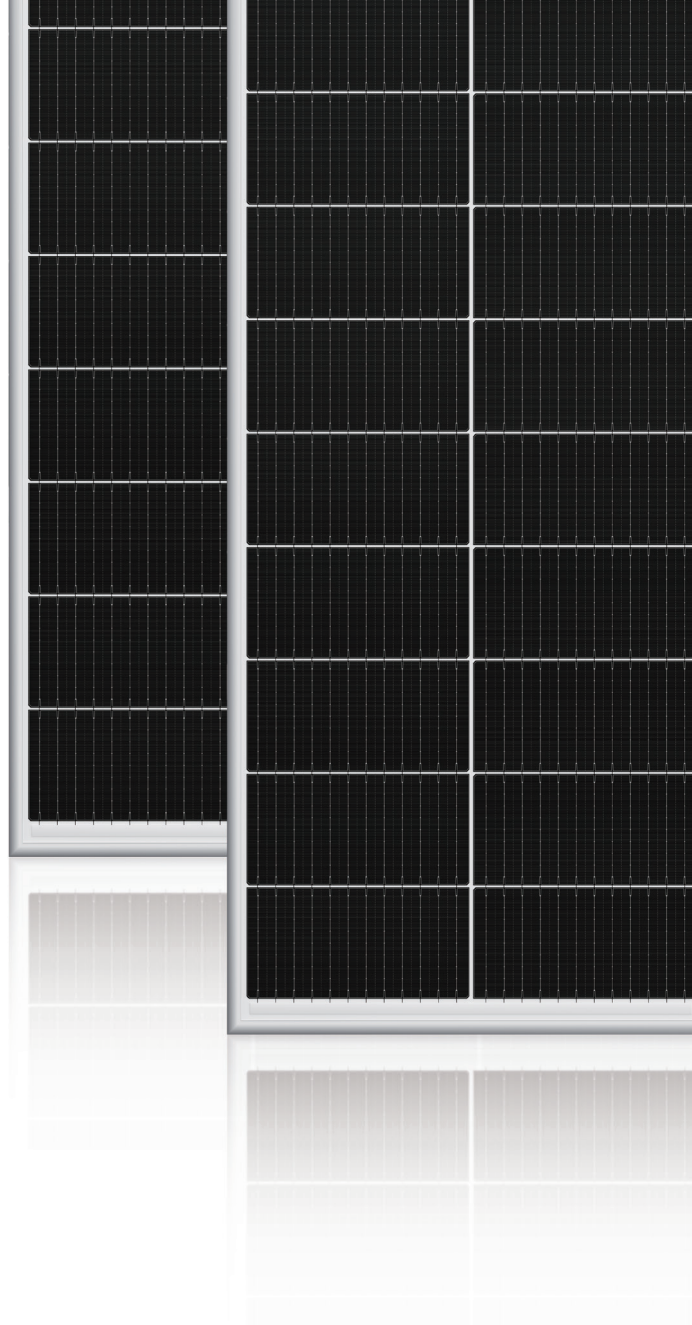




MONOCRYSTALLINE DOUBLE GLASS 585-610W REESUN120HB-210M

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 21.55%)
-  12-year product quality warranty, 30-year linear output power warranty



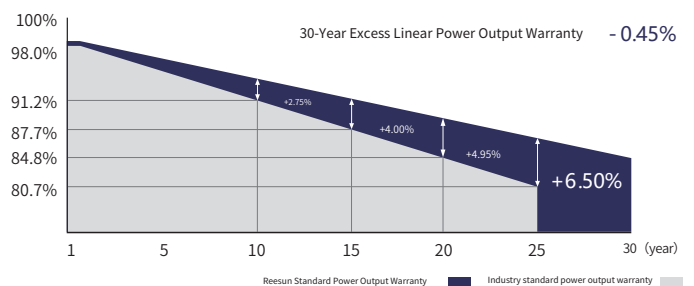
Comprehensive Product And System Certification

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.

REESUN120HB-210M 585-610W

Electrical Performance Parameters

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

Component model	585W		590W		595W		600W		605W		610W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [Pmax/W]	585	439	590	443	595	446	600	450	605	454	610	458
Maximum power voltage [Vmp/V]	34.00	31.87	34.20	32.07	34.4	32.24	34.60	32.44	34.80	32.63	35.00	32.81
Maximum power current [Imp/A]	17.21	13.77	17.25	13.80	17.30	13.84	17.34	13.87	17.38	13.90	17.43	13.94
Open circuit voltage [Voc/V]	41.10	37.54	41.30	37.76	41.50	37.98	41.70	38.17	41.90	38.39	42.10	38.60
Short circuit current [Isc/A]	18.26	14.61	18.31	14.65	18.36	14.69	18.42	14.74	18.47	14.78	18.52	14.82
Component efficiency [%]	20.67		20.85		21.02		21.20		21.38		21.55	

Maximum power test Common Standard Test Environment (STC) irradiance 1000W/m², atmospheric quality AM1.5, module temperature 25 ° C

Nominal operating battery temperature (NOCT): irradiance 800W/m², ambient temperature 20 ° C, atmospheric quality AM1.5, wind speed 1m/s

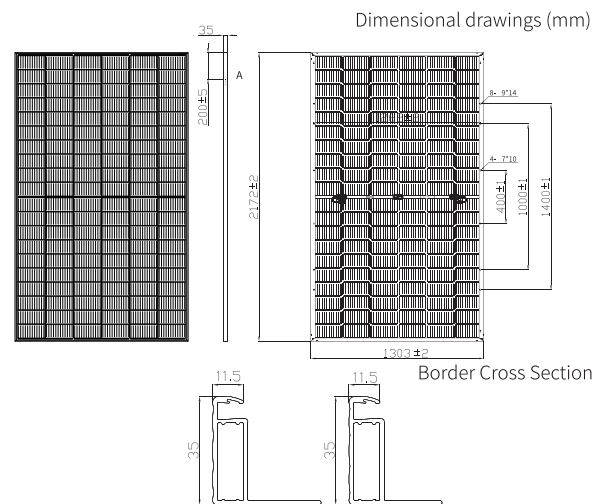
Back Electrical Performance Parameters

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

	Component model	585W	590W	595W	600W	605W	610W
		5%	Maximum power [Pmax/W]	614	619	624	630
	Component efficiency [%]	21.7	21.8	22.0	22.2	22.4	22.6
15%	Maximum power [Pmax/W]	672	678	684	690	695	701
	Component efficiency [%]	23.7	23.9	24.1	24.3	24.5	24.7
25%	Maximum power [Pmax/W]	731	737	743	750	756	762
	Component efficiency [%]	25.8	26.0	26.2	26.5	26.7	26.9

Mechanical And Operating Parameters

Number of battery cells	120(6×20)
Junction box	IP68 Three diodes
Output cable	4mm ² , length 300mm, Customizable length
Glass	3.2mm Single layer coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	35kg \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 A



Temperature Coefficient(STC)

Short circuit current temperature coefficient of frame section	+0.045%/°C
Open circuit voltage temperature coefficient	-0.261%/°C
Maximum power temperature coefficient	-0.331%/°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)

