










MONOCRYSTALLINE DOUBLE GLASS 390-415W REESUN108HB-182M

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 21.25%)
-  12-year product quality warranty, 30-year linear output power warranty

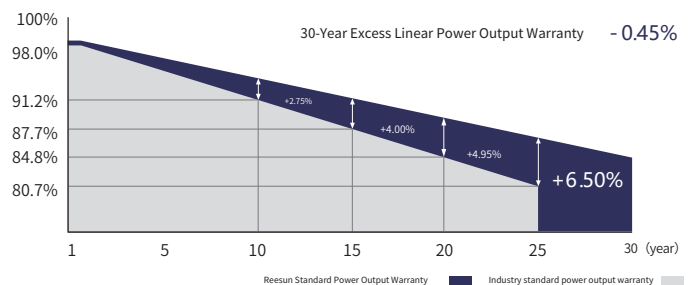
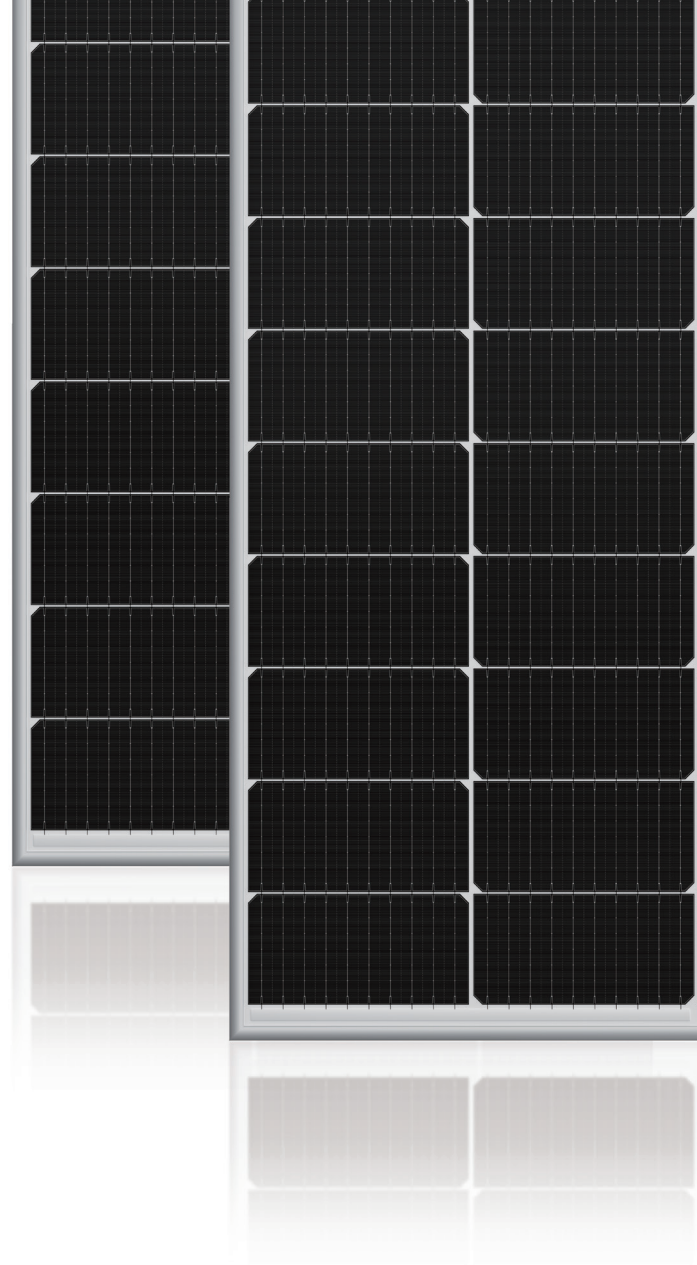
Comprehensive Product And System Certification

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.

REESUN108HB-182M 390-415W

Electrical Performance Parameters

Maximum power test tolerance : ±3%

Component model	390W		395W		400W		405W		410W		415W	
	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]	390	293	395	296	400	300	405	304	410	308	415	311
Maximum power voltage [Vmp/V]	30.64	28.72	30.85	28.91	31.05	29.09	31.24	29.27	31.44	29.48	31.64	29.63
Maximum power current [Imp/A]	12.73	10.18	12.81	10.25	12.89	10.31	12.97	10.38	13.04	10.43	13.13	10.50
Open circuit voltage [Voc/V]	36.50	33.58	36.75	33.81	37.00	34.02	37.25	34.24	37.50	34.47	37.75	34.69
Short circuit current [Isc/A]	13.61	10.89	13.69	10.95	13.78	11.02	13.86	11.09	13.94	11.15	14.02	11.22
Component efficiency [%]	19.97		20.23		20.48		20.74		21.00		21.25	

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

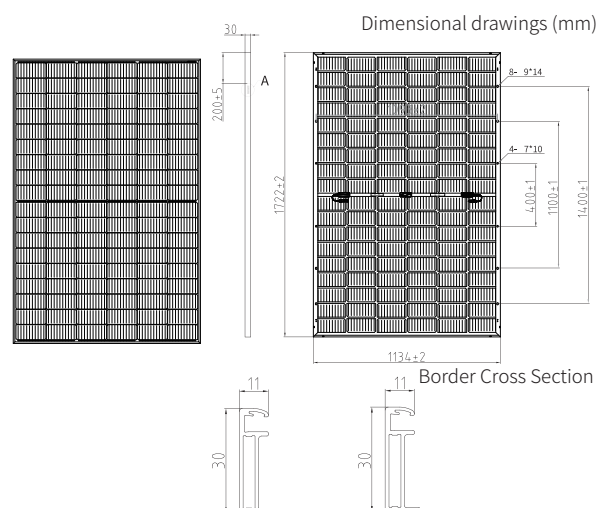
Back Electrical Performance Parameters

Maximum power test tolerance : ±3%

	Component model	390W	395W	400W	405W	410W	415W
		5%	Maximum power [Pmax/W]	409	414	420	425
	Component efficiency [%]	20.9	21.2	21.5	21.7	22.0	22.3
15%	Maximum power [Pmax/W]	448	454	460	465	471	477
	Component efficiency [%]	22.9	23.2	23.5	23.8	24.1	24.4
25%	Maximum power [Pmax/W]	487	493	500	506	512	518
	Component efficiency [%]	24.9	25.2	25.6	25.9	26.2	26.5

Mechanical And Operating Parameters

Number of battery cells	108(6×18)
Junction box	IP68 Three diodes
Output cable	4mm ² , length 300mm, Customizable length
Glass	2.0mm Single layer coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	24.5kg±3%
Size	1722×1134×30mm
Packing	36pcs per pallet 936pcs per 40'HC
Working temperature	-40°C ~ +85°C
Power tolerance	0~+5 W
Current and voltage tolerance	±4%/±3%
Maximum system voltage	DC1500V (IEC)
Maximum fuse current rating	25A
Nominal operating battery temperature	45±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 (REESUN108HB-182M-410W)

