



MONOCRYSTALLINE SINGLE GLASS 480-505W REESUN132H-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 21.27%)
-  12-year product quality warranty, 25-year linear output power warranty

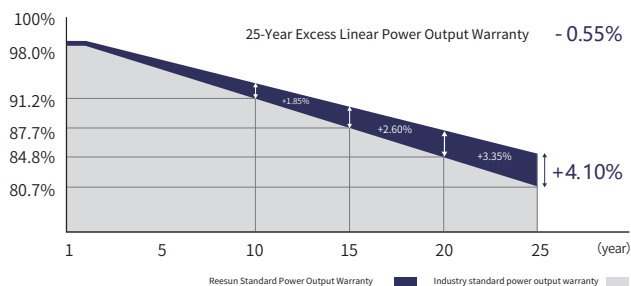
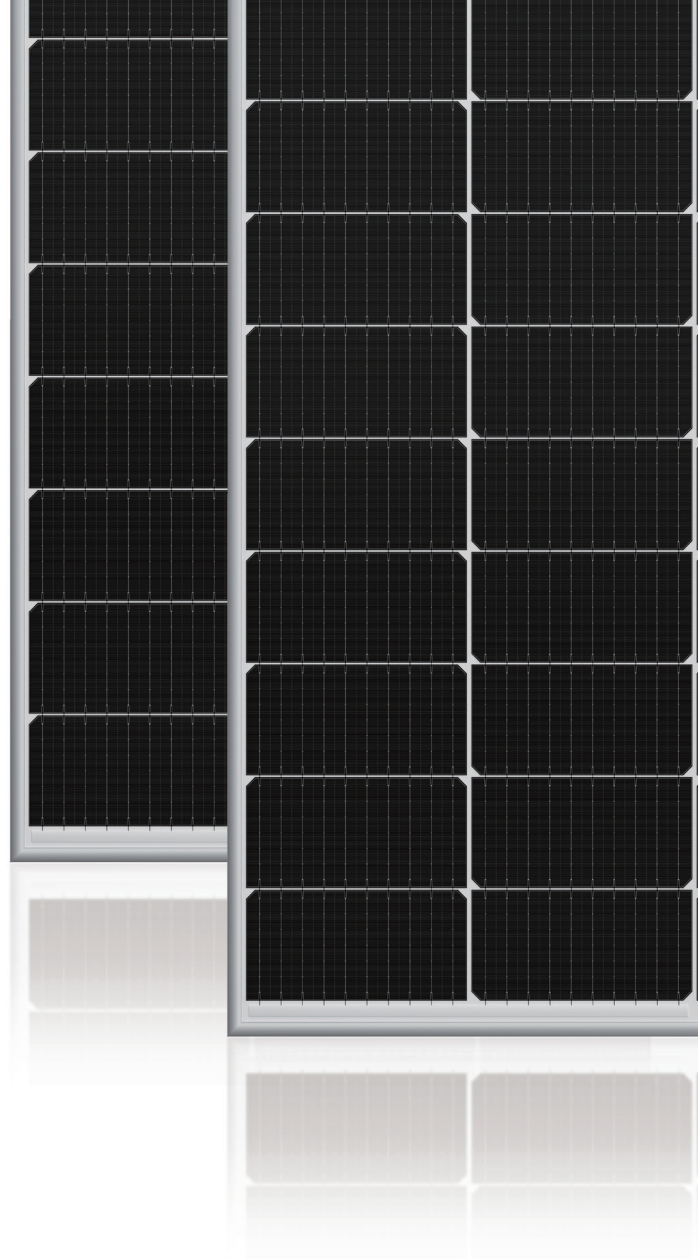
Comprehensive Product And System Certification

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.

REESUN132H-182M 480-505W

Electrical Performance Parameters

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

Component model	480W		485W		490W		495W		500W		505W	
Testing environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [Pmax/W]	480	363	485	367	490	370	495	374	500	378	505	382
Maximum power voltage [Vmp/V]	37.62	35.54	37.80	35.67	37.99	35.76	38.17	35.84	38.35	35.93	38.53	36.02
Maximum power current [Imp/A]	12.76	10.21	12.83	10.28	12.90	10.36	12.97	10.44	13.04	10.52	13.11	10.60
Open circuit voltage [Voc/V]	45.07	42.15	45.20	42.30	45.33	42.43	45.46	42.58	45.59	42.72	45.72	42.86
Short circuit current [Isc/A]	13.65	10.99	13.72	11.06	13.79	11.13	13.86	11.20	13.93	11.27	14.00	11.34
Component efficiency [%]	20.21		20.42		20.64		20.85		21.06		21.27	

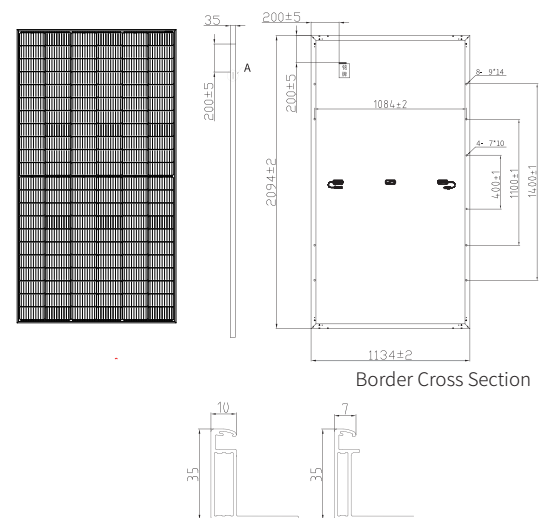
Maximum power test Common Standard Test Environment (STC) irradiance 1000W/m^2 , atmospheric quality AM1.5, module temperature 25°C

Nominal operating battery temperature (NOCT): irradiance 800W/m^2 , ambient temperature 20°C , atmospheric quality AM1.5, wind speed 1m/s

Mechanical And Operating Parameters

Number of battery cells	132(6×22)
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	26kg $\pm 3\%$
Size	2094×1134×35mm
Packing	31pcs per pallet 682pcs 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	25A
Nominal operating battery temperature	45 $\pm 2^\circ\text{C}$
Safety level	Class II
Fire rating	Class C

Dimensional drawings (mm)



Temperature Coefficient(STC)

Mechanical Load

Short circuit current temperature coefficient of frame section	+0.048%/°C	Front maximum static load	5400Pa
Open circuit voltage temperature coefficient	-0.270%/°C	Maximum back static load	2400Pa
Maximum power temperature coefficient	-0.350%/°C	Hail test	25mm hail, impact at 23 m/s

I-V Curve (REESUN132H-182M-500W)

