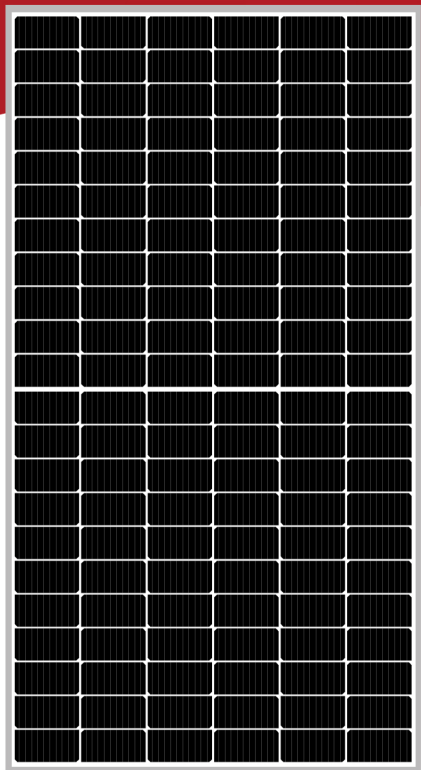


AMSO SOLAR

MONO 480-500W

solar panel with 132 cells 182MM solar cells



Product Advantage



Solar Cell (182*91mm)
solar cell adopts new technology to improve the efficiency of modules



High Voltage
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



High Efficiency
Higher module conversion efficiency (up to 21.0%) benefit from half cell structure (low resistance characteristic).



Low-light Performance
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance certified by TUV NORD.



Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



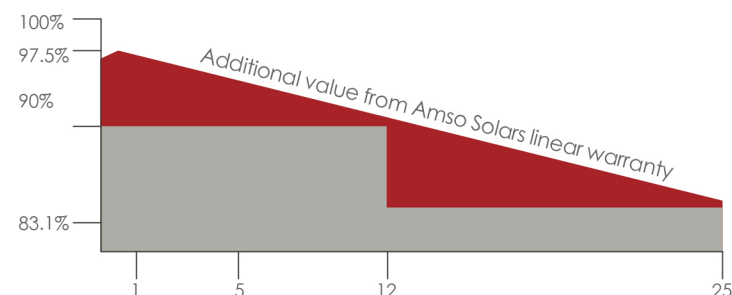
Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

Linear performance warranty



- Linear Performance Warranty
- Standard Performance Warranty



Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
AS480S8-132	480	132 (6*22)	2100*1134*35mm	25	37.65	12.75	45.12	13.64	20.2%
AS485S8-132	485	132 (6*22)	2100*1134*35mm	25	37.83	12.82	45.38	13.7	20.4%
AS490S8-132	490	132 (6*22)	2100*1134*35mm	25	38.04	12.88	45.62	13.76	20.6%
AS495S8-132	495	132 (6*22)	2100*1134*35mm	25	38.25	12.94	45.87	13.81	20.8%
AS500S8-132	500	132 (6*22)	2100*1134*35mm	25	38.43	13.01	45.98	13.87	21.0%

Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
AS480S8-132	348.75	132 (6*22)	2100*1134*35mm	25	34.32	10.75	41.66	11.60	20.2%
AS485S8-132	372.59	132 (6*22)	2100*1134*35mm	25	34.48	10.81	41.9	11.65	20.4%
AS490S8-132	376.43	132 (6*22)	2100*1134*35mm	25	34.68	10.86	42.12	11.70	20.6%
AS495S8-132	380.28	132 (6*22)	2100*1134*35mm	25	34.87	10.91	42.35	11.74	20.8%
AS500S8-132	384.12	132 (6*22)	2100*1134*35mm	25	35.03	10.97	42.45	11.79	21.0%

Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

*Standard test conditions:measured values(atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

Limit parameter

Operating temperature	-40+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

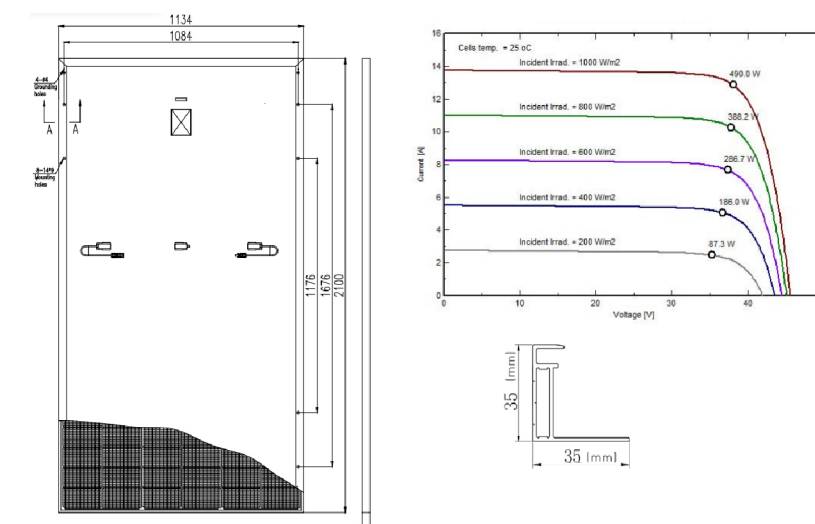
Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

Packing Configuration

Container	40'GP
Pieces per pallet	31
Pallets per container	22
Pieces per container	682

Mechanical Drawings



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