

# AMSO SOLAR

## 480—500W

solar panel with 66 cells 182MM solar cells



### Product Feature



#### M Busbar Solar Cell

M busbar 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 20.37%) 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



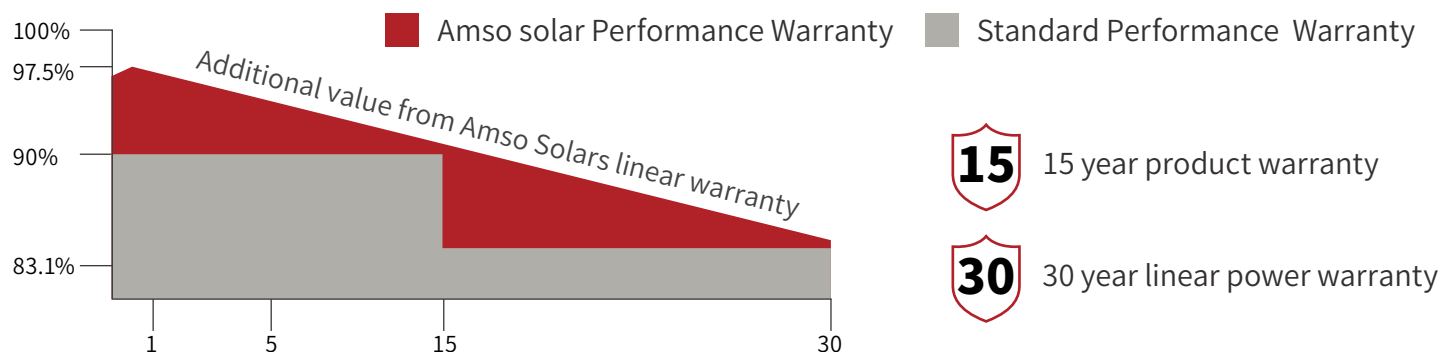
#### Durability of extreme conditions

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).



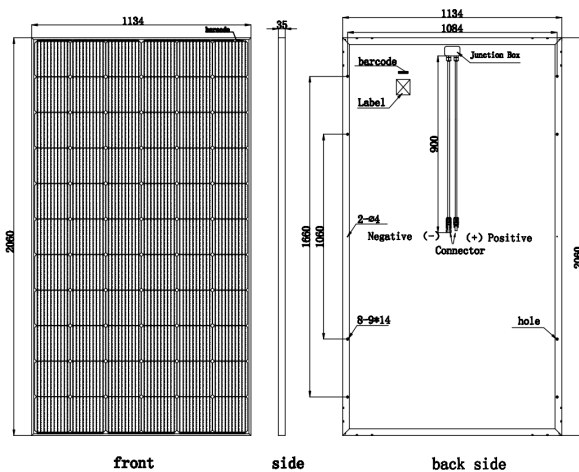
### Mono Crystalline Essential Parameter (STC 1000W/M<sup>2</sup> Cell Temperature 25°C AM=1.5)

Model Type	AS480S8	AS485S8	AS490S8	AS495S8	AS500S8
Power(w)	480	485	490	495	500
Number of Cells	66 (6*11)	66 (6*11)	66 (6*11)	66 (6*11)	66 (6*11)
Dimensions(MM)	2060*1134*35	2060*1134*35	2060*1134*35	2060*1134*35	2060*1134*35
Weight(KG)	24	24	24	24	24
Vmp(v)	37.50	37.68	37.89	38.10	38.28
Imp (A)	12.80	12.87	12.93	12.99	13.06
Voc(v)	44.97	45.23	45.47	45.72	45.83
Isc(A)	13.64	13.70	13.76	13.81	13.87
Module Efficiency	20.5%	20.8%	21.0%	21.2%	21.4%

### Mono Crystalline Essential Parameter (NOCT 800W/M<sup>2</sup> Ambient Temperature 20°C AM=1.5)

Model Type	AS480S8	AS485S8	AS490S8	AS495S8	AS500S8
Power(w)	368.75	372.59	376.44	380.28	384.12
Number of Cells	66 (6*11)	66 (6*11)	66 (6*11)	66 (6*11)	66 (6*11)
Dimensions(MM)	2060*1134*35	2060*1134*35	2060*1134*35	2060*1134*35	2060*1134*35
Weight(KG)	24	24	24	24	24
Vmp(v)	34.19	34.35	34.54	34.73	34.90
Imp (A)	10.79	10.85	10.90	10.95	11.01
Voc(v)	41.52	41.76	41.99	42.22	42.32
Isc(A)	11.59	11.65	11.70	11.74	11.79
Module Efficiency	20.5%	20.8%	21.0%	21.2%	21.4%

### Mechanical Drawings



### 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

### 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	20GP	40GP
Pallets per container	5	22
Pieces per container	275	682

## CONTACT INFORMATION

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**CONTACT US!**