

# AMSO SOLAR

## 390—415W

solar panel with 54 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



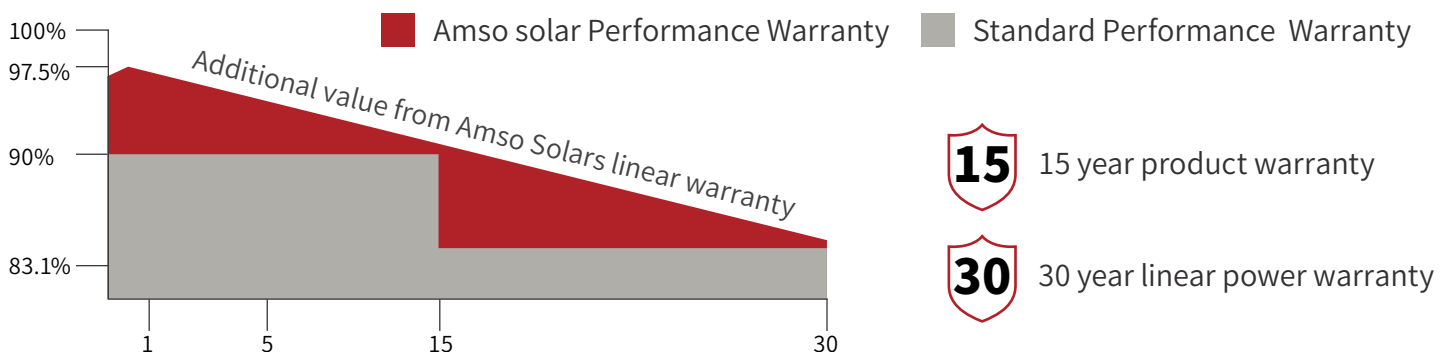
#### Durability of extreme conditions

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).



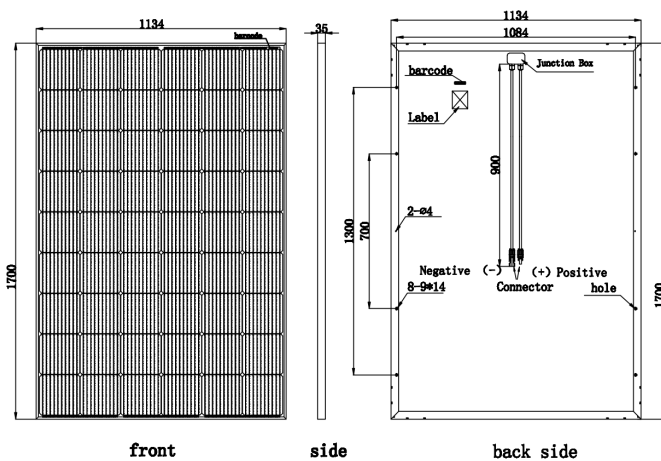
### Mono Crystalline Essential Parameter (STC 1000W/M<sup>2</sup> Cell Temperature 25°C AM=1.5)

Model Type	AS390S8	AS395S8	AS400S8	AS405S8	AS410S8	AS415S8
Power(w)	390	395	400	405	410	415
Number of Cells	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)
Dimensions(MM)	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35
Weight(KG)	19	19	19	19	19	19
Vmp(v)	30.44	30.61	30.83	31.08	31.29	31.51
Imp (A)	12.81	12.90	12.97	13.03	13.10	13.17
Voc(v)	36.52	36.76	36.95	37.18	37.43	37.68
Isc(A)	13.63	13.71	13.80	13.87	13.94	14.02
Module Efficiency	20.2%	20.5%	20.7%	21.0%	21.3%	21.5%

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

Model Type	AS390S8	AS395S8	AS400S8	AS405S8	AS410S8	AS415S8
Power(w)	299.61	303.45	307.29	311.14	314.98	318.82
Number of Cells	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)	54 (6*9)
Dimensions(MM)	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35	1700*1134*35
Weight(KG)	19	19	19	19	19	19
Vmp(v)	27.75	27.90	28.10	28.33	28.52	28.72
Imp (A)	10.80	10.87	10.93	10.98	11.04	11.10
Voc(v)	33.72	33.94	34.12	34.33	34.56	34.79
Isc(A)	11.59	11.65	11.73	11.79	11.85	11.92
Module Efficiency	20.2%	20.5%	20.7%	21.0%	21.3%	21.5%

### 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	6	26
Pieces per container	330-358	806

## CONTACT INFORMATION

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**CONTACT US!**