

# AMISO SOLAR

## 525—550W

solar panel with 144 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



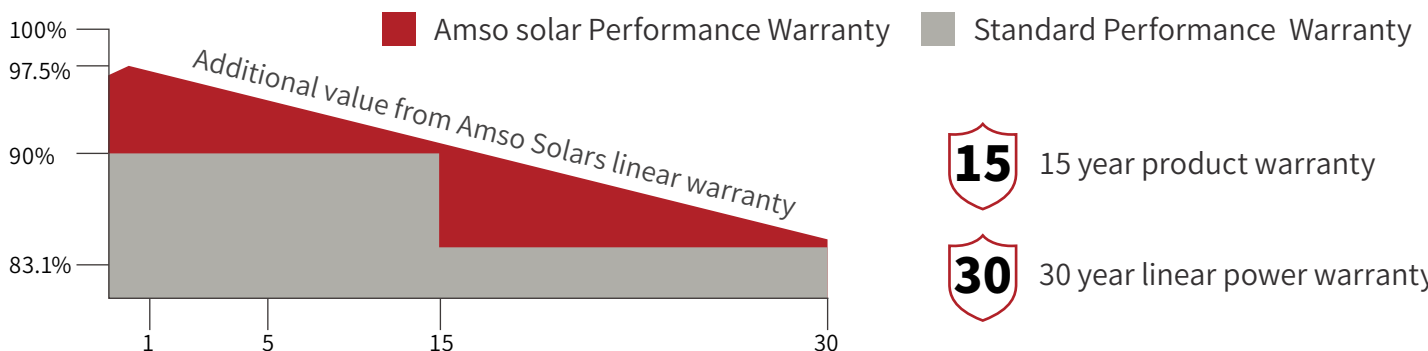
#### Durability of extreme conditions

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).



**15** 15 year product warranty

**30** 30 year linear power warranty

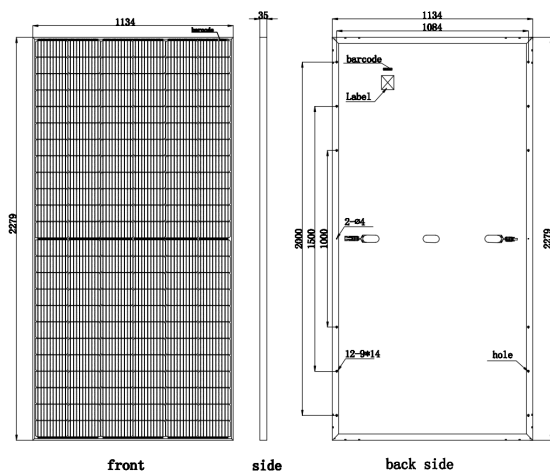
### Mono Crystalline Essential Parameter (STC 1000W/M<sup>2</sup> Cell Temperature 25°C AM=1.5)

Model Type	AS525S8	AS530S8	AS535S8	AS540S8	AS545S8	AS550S8
Power(w)	525	530	535	540	545	550
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35
Weight(KG)	27	27	27	27	27	27
Vmp(v)	41.15	41.28	41.51	41.70	41.92	42.11
Imp (A)	12.76	12.84	12.89	12.95	13.00	13.06
Voc(v)	49.15	49.61	49.87	49.95	50.04	50.28
Isc(A)	13.65	13.66	13.72	13.78	13.84	13.90
Module Efficiency	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%

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

Model Type	AS525S8	AS530S8	AS535S8	AS540S8	AS545S8	AS550S8
Power(w)	403.32	407.16	411.01	414.85	418.69	422.53
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35
Weight(KG)	27	27	27	27	27	27
Vmp(v)	37.51	37.63	37.84	38.01	38.21	38.39
Imp (A)	10.75	10.82	10.86	10.91	10.96	11.01
Voc(v)	45.33	45.76	46.00	46.07	46.15	46.37
Isc(A)	11.60	11.61	11.66	11.71	11.76	11.82
Module Efficiency	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%

### 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	40GP
Pieces per pallet	31
Pallets per container	20
Pieces per container	620

## CONTACT INFORMATION

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**CONTACT US!**