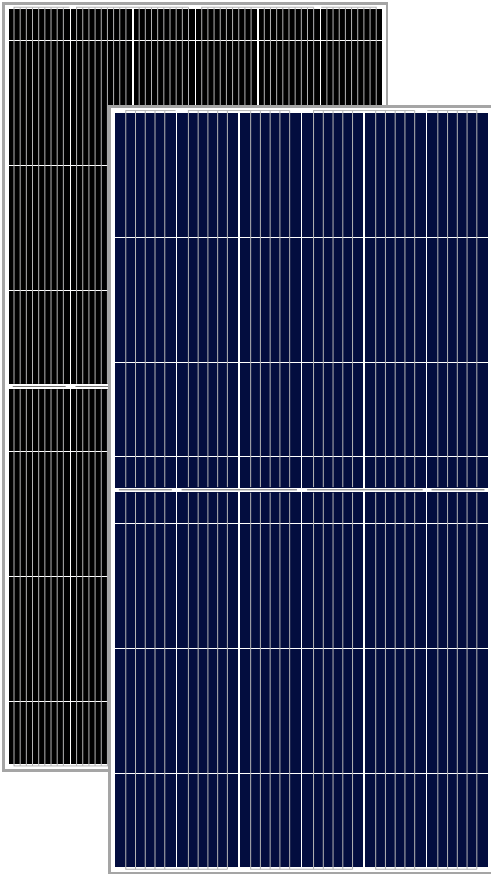


# AMSO SOLAR

320—410W

Standard 144 Cells Crystalline PV Module



## Product Feature



### 9&5 Busbar Solar Cell

9&5 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



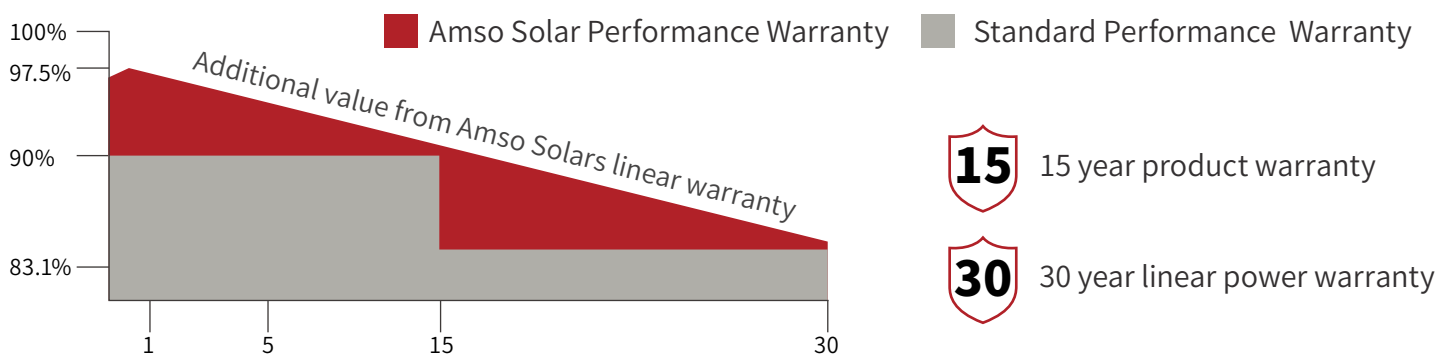
### Durability of extreme conditions

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).



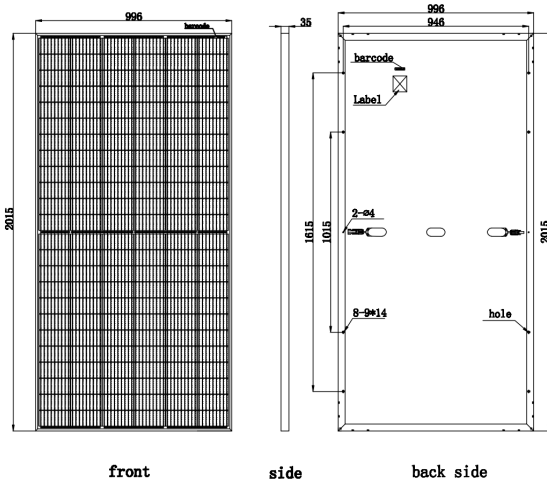
## Mono Crystalline Essential Parameter

Model Type	AS380S	AS390S	AS400S	AS405S	AS410S
Power(w)	380	390	400	405	410
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2015*996*35	2015*996*35	2015*996*35	2015*996*35	2015*996*35
Weight(KG)	20.5	20.5	20.5	20.5	20.5
Vmp(v)	39.9	40.3	40.9	41.1	41.2
Imp (A)	9.52	9.67	9.79	9.86	9.96
Voc(v)	48.7	49.2	49.7	49.8	50.0
Isc(A)	9.99	10.19	10.33	10.41	10.49
Module Efficiency	18.9%	19.4%	19.9%	20.2%	20.4%

## Poly Crystalline Essential Parameter

Model Type	AS320S	AS330S	AS340S	AS345S	AS350S
Power(w)	320	330	340	345	350
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2015*996*35	2015*996*35	2015*996*35	2015*996*35	2015*996*35
Weight(KG)	20.5	20.5	20.5	20.5	20.5
Vmp(v)	37.5	37.7	37.9	38.1	38.3
Imp (A)	8.54	8.76	8.98	9.06	9.14
Voc(v)	45.2	45.5	45.8	46.2	46.5
Isc(A)	9.19	9.36	9.52	9.51	9.53
Module Efficiency	15.9%	16.4%	16.9%	17.2%	17.4%

## 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	15A

## 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	10	22
Pieces per container	310-338	748-772

## CONTACT INFORMATION

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**CONTACT US!**