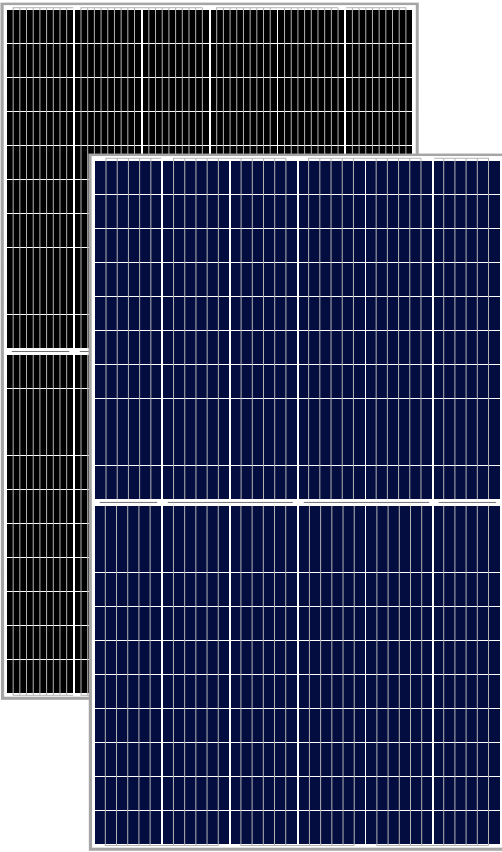


AMSO SOLAR

270—350W

Standard 120 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



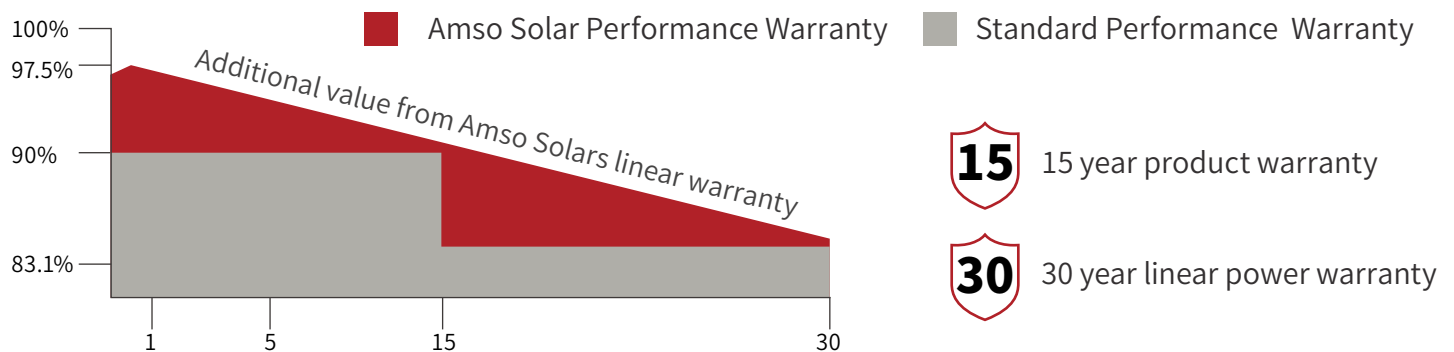
Durability of extreme conditions

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).



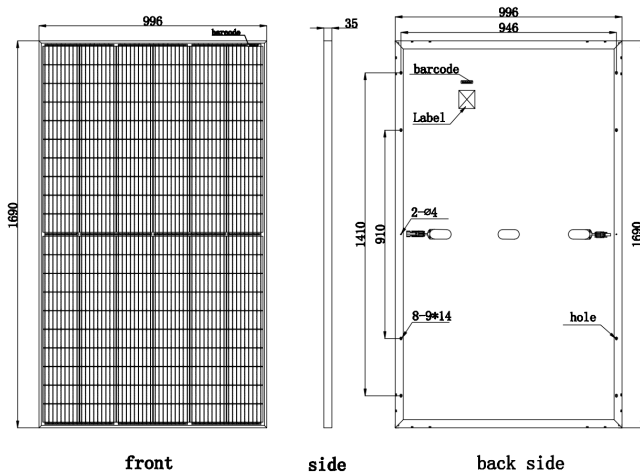
Mono Crystalline Essential Parameter

Model Type	AS310S	AS320S	AS330S	AS340S	AS350S
Power(w)	310	320	330	340	350
Number of Cells	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)
Dimensions(MM)	1690*996*35	1690*996*35	1690*996*35	1690*996*35	1690*996*35
Weight(KG)	18.4	18.4	18.4	18.4	18.4
Vmp(v)	32.9	33.2	33.7	34.2	34.4
Imp (A)	9.43	9.63	9.80	9.95	10.18
Voc(v)	41.08	41.47	41.94	42.41	42.60
Isc(A)	9.43	9.63	9.80	9.95	9.98
Module Efficiency	18.4%	19.0%	19.6%	20.2%	20.8%

Poly Crystalline Essential Parameter

Model Type	AS270P-120	AS275P-120	AS280P-120	AS285P-120	AS290P-120
Power(w)	270	275	280	285	290
Number of Cells	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)
Dimensions(MM)	1690*996*35	1690*996*35	1690*996*35	1690*996*35	1690*996*35
Weight(KG)	18.4	18.4	18.4	18.4	18.4
Vmp(v)	30.9	31.2	31.5	31.6	31.8
Imp (A)	8.74	8.82	8.89	9.02	9.12
Voc(v)	37.6	37.8	38.0	38.3	38.6
Isc(A)	9.33	9.42	9.51	9.54	9.57
Module Efficiency	16.04%	16.34%	16.63%	16.93%	17.23%

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	IP65/IP67 rated
Connectors	MC4 compatible

Packing Configuration

Container	20'GP	20'GP
Pallets per container	12	28
Pieces per container	372-404	952

CONTACT INFORMATION

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