

AMISO SOLAR

435—460W

solar panel with 120 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



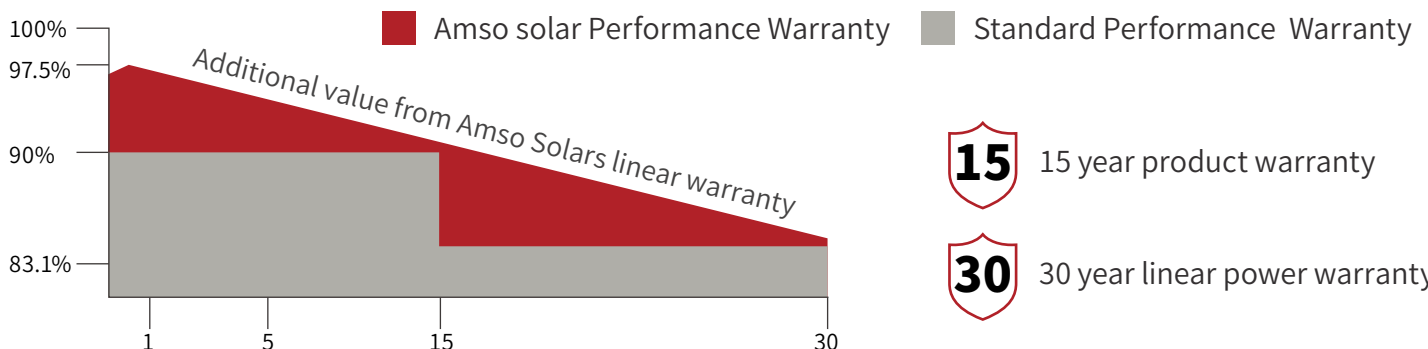
Durability of extreme conditions

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

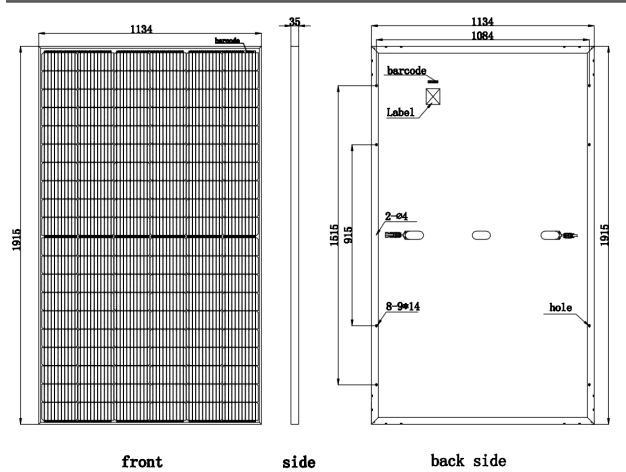
Mono Crystalline Essential Parameter (STC 1000W/M² Cell Temperature 25°C AM=1.5)

Model Type	AS435M	AS440M	AS445M	AS450M	AS455M	AS460M
Power(w)	435	440	445	450	455	460
Number of Cells	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)
Dimensions(MM)	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35
Weight(KG)	23	23	23	23	23	23
Vmp(v)	34.29	34.42	34.54	34.67	34.79	34.92
Imp (A)	12.69	12.79	12.89	12.99	13.08	13.18
Voc(v)	40.96	41.08	41.21	41.33	41.46	41.58
Isc(A)	13.65	13.72	13.79	13.86	13.93	14.00
Module Efficiency	19.98%	20.21%	20.44%	20.67%	20.90%	21.13%

Mono Crystalline Essential Parameter (NOCT 800W/M² Ambient Temperature 20°C AM=1.5)

Model Type	AS435M	AS440M	AS445M	AS450M	AS455M	AS460M
Power(w)	329	333	337	340	344	348
Number of Cells	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)	120 (6*20)
Dimensions(MM)	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35	1915*1134*35
Weight(KG)	23	23	23	23	23	23
Vmp(v)	32.0	32.1	32.2	32.4	32.5	32.6
Imp (A)	10.28	10.36	10.44	10.52	10.60	10.68
Voc(v)	38.4	38.5	38.6	38.7	38.8	39.0
Isc(A)	10.95	11.01	11.07	11.12	11.18	11.24
Module Efficiency	19.98%	20.21%	20.44%	20.67%	20.90%	21.13%

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	24
Pieces per container	744

CONTACT INFORMATION

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CONTACT US!