

AMISO SOLAR

420—450W

Standard 72 Cells Crystalline PV Module



Product Feature



9 Busbar Solar Cell

9 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



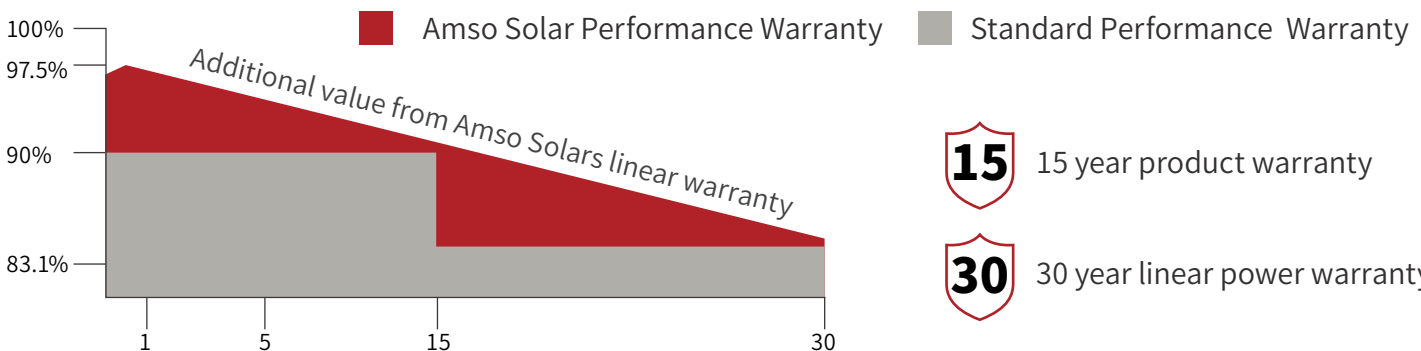
Durability of extreme conditions

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).



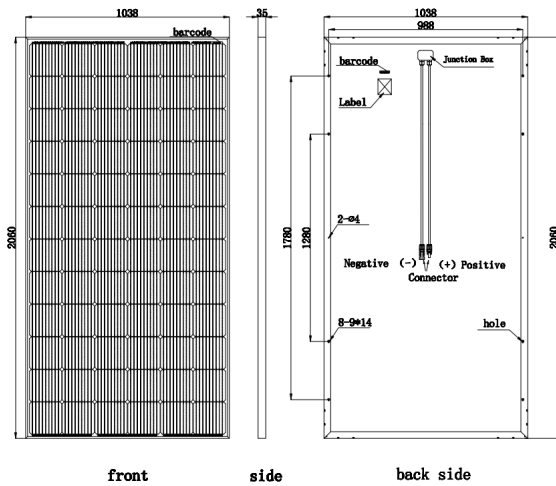
Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	AS420-72	AS425-72	AS430-72	AS435-72	AS440-72	AS445-72	AS450-72
Power(w)	420	425	430	435	440	445	450
Number of Cells	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)
Dimensions(MM)	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35
Weight(KG)	24	24	24	24	24	24	24
Vmp(v)	40.9	41.3	41.6	41.8	42.3	42.6	42.7
Imp (A)	10.27	10.28	10.33	10.40	10.41	10.46	10.54
Voc(v)	48.3	48.5	48.7	48.8	49.0	49.3	49.5
Isc(A)	11.75	11.83	11.94	12.04	12.13	12.19	12.29
Module Efficiency	19.6%	19.9%	20.1%	20.3%	20.6%	20.8%	21.0%

Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	AS420-72	AS425-72	AS430-72	AS435-72	AS440-72	AS445-72	AS450-72
Power(w)	322.66	326.50	330.34	334.18	338.02	341.86	345.71
Number of Cells	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)	72 (6*12)
Dimensions(MM)	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35	2060*1038*35
Weight(KG)	24	24	24	24	24	24	24
Vmp(v)	37.28	37.67	37.94	38.13	38.53	38.79	38.92
Imp (A)	8.65	8.67	8.71	8.76	8.77	8.81	8.88
Voc(v)	44.61	44.81	44.94	45.08	45.27	45.54	45.67
Isc(A)	9.99	10.06	10.15	10.24	10.31	10.36	10.45
Module Efficiency	19.6%	19.9%	20.1%	20.3%	20.6%	20.8%	21.0%

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	20A

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	40'GP
Pallets per container	10	22
Pieces per container	285-309	726

CONTACT INFORMATION

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CONTACT US!