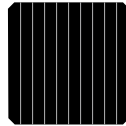


AMSO SOLAR

280—300W

Standard 48 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



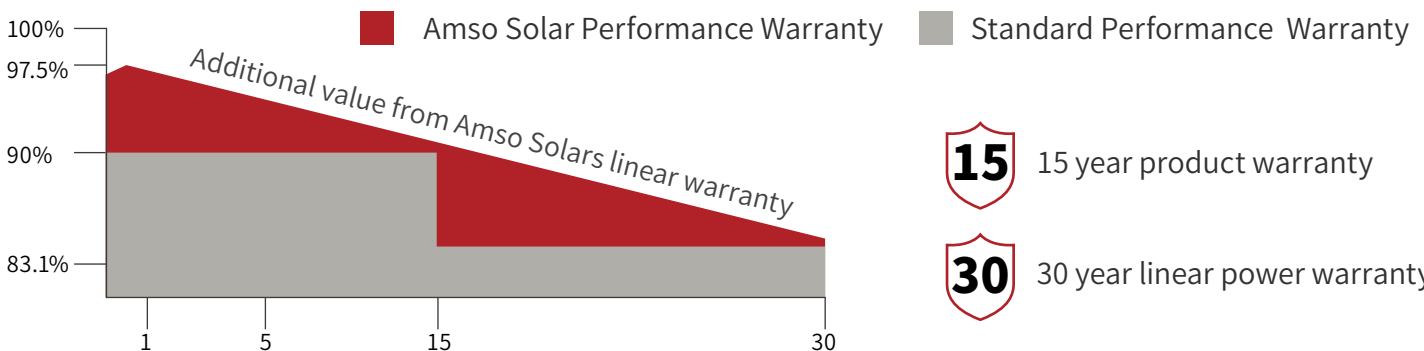
Durability of extreme conditions

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).



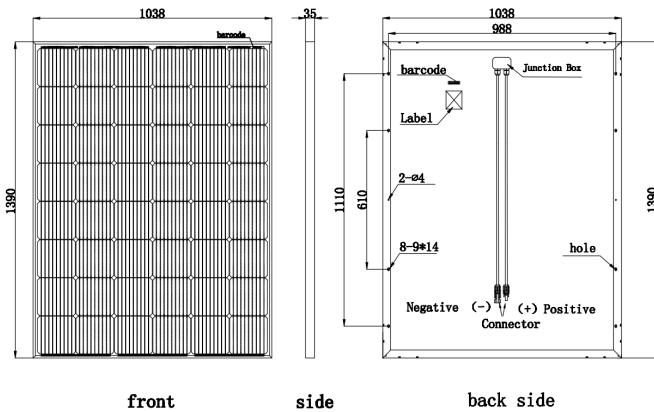
Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	AS280-M6	AS285-M6	AS290-M6	AS295-M6	AS300-M6
Power(w)	280	285	290	295	300
Number of Cells	48 (6*8)	48 (6*8)	48 (6*8)	48 (6*8)	48 (6*8)
Dimensions(MM)	1390*1038*35	1390*1038*35	1390*1038*35	1390*1038*35	1390*1038*35
Weight(KG)	16	16	16	16	16
Vmp(v)	26.4	26.9	27.4	27.8	28.3
Imp (A)	10.61	10.60	10.60	10.60	10.59
Voc(v)	30.7	31.2	31.7	32.2	32.6
Isc(A)	11.69	11.68	11.69	11.70	11.71
Module Efficiency	19.4%	19.8%	20.1%	20.4%	20.8%

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

Model Type	AS280-M6	AS285-M6	AS290-M6	AS295-M6	AS300-M6
Power(w)	215.11	218.95	222.79	226.63	230.47
Number of Cells	48 (6*8)	48 (6*8)	48 (6*8)	48 (6*8)	48 (6*8)
Dimensions(MM)	1390*1038*35	1390*1038*35	1390*1038*35	1390*1038*35	1390*1038*35
Weight(KG)	16	16	16	16	16
Vmp(v)	24.07	24.50	24.94	25.38	25.82
Imp (A)	8.94	8.94	8.93	8.93	8.93
Voc(v)	28.37	28.81	29.25	29.70	30.14
Isc(A)	9.93	9.93	9.94	9.95	9.95
Module Efficiency	19.4%	19.8%	20.1%	20.4%	20.8%

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	8	32
Pieces per container	456	1056

CONTACT INFORMATION

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