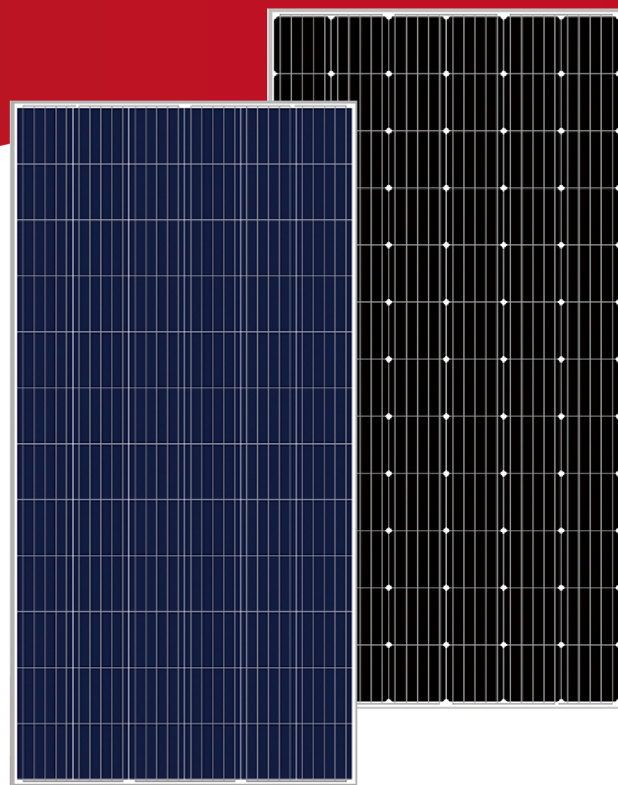


AMSO SOLAR

420-500W

standard 96 cells crystalline PV Module



Product Advantage

5 Busbar Solar Cell (157*157mm)
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 Against Extreme Environmental 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).

Key Features

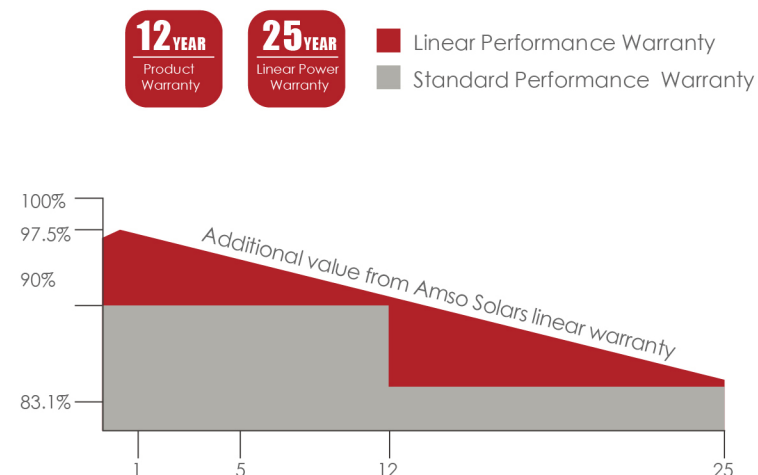
- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

Linear performance warranty



Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
AS460M-96	460	96 (8*12)	1956*1310*40	26	48.9	9.41	61.6	9.70	18.0%
AS470M-96	470	96 (8*12)	1956*1310*40	26	49.3	9.54	61.9	9.80	18.3%
AS480M-96	480	96 (8*12)	1956*1310*40	26	49.6	9.68	62.2	9.89	18.7%
AS490M-96	490	96 (8*12)	1956*1310*40	26	49.9	9.82	62.5	9.99	19.1%
AS500M-96	500	96 (8*12)	1956*1310*40	26	51.2	9.77	62.8	10.08	19.5%

Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
AS420P-96	420	96 (8*12)	1956*1310*40	26	48.5	8.66	60.1	9.08	16.4%
AS430P-96	430	96 (8*12)	1956*1310*40	26	48.8	8.82	60.4	9.22	16.8%
AS440P-96	440	96 (8*12)	1956*1310*40	26	49.1	8.97	60.7	9.35	17.2%
AS450P-96	450	96 (8*12)	1956*1310*40	26	49.4	9.11	60.9	9.50	17.6%
AS460P-96	460	96 (8*12)	1956*1310*40	26	49.7	9.26	61.2	9.64	18.0%

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

*Standard test conditions:measured values(atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

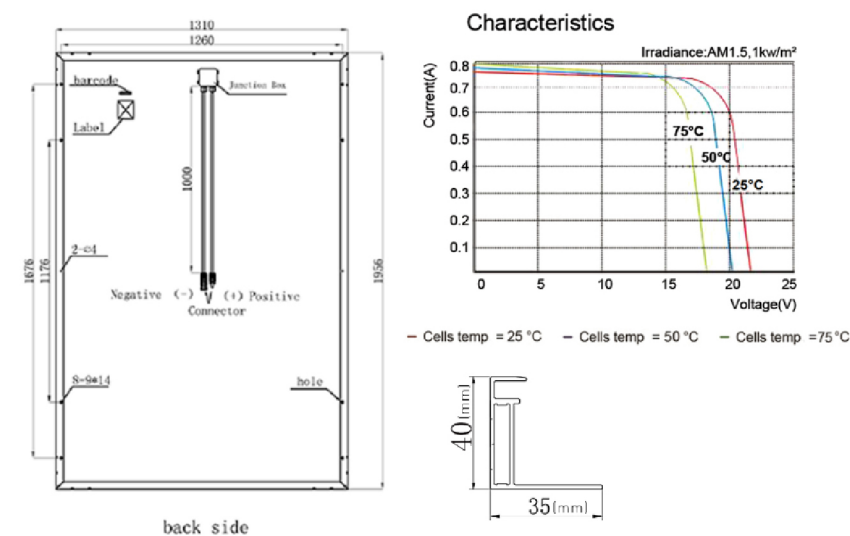
Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	54	58
Pallets per container	4	9
Pieces per container	216	522

Mechanical Drawings



Address: Rm 1603, 99 Zhongshan Rd, Nanjing, China

Tel: 0086-025-85562529
Mobile Phone: 0086-13814007208

E-mail: info@amsosolar.com



<https://www.amsosolar.com/>