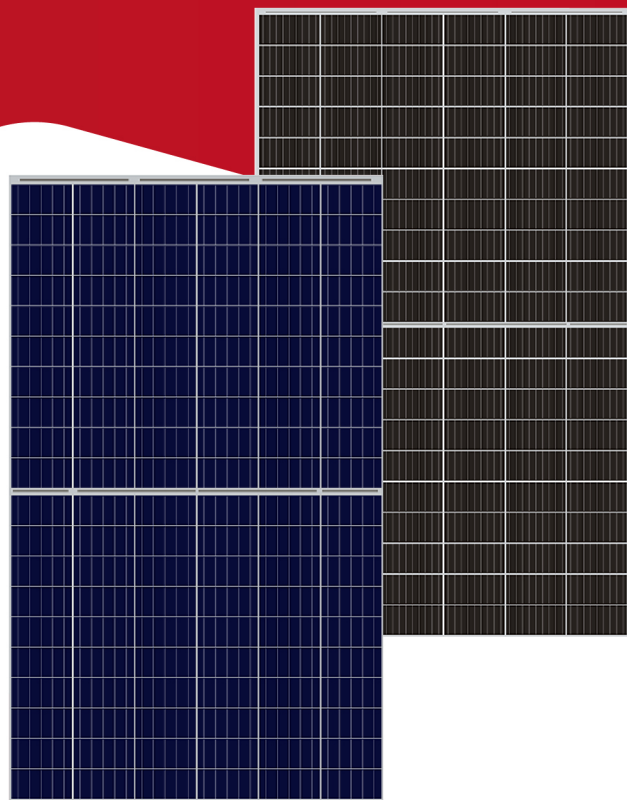


# AMSO SOLAR

270-350W

standard 120 cells crystalline PV Module



## Product Advantage

**5&9 Busbar Solar Cell** (158.75\*158.75mm)  
5&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 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

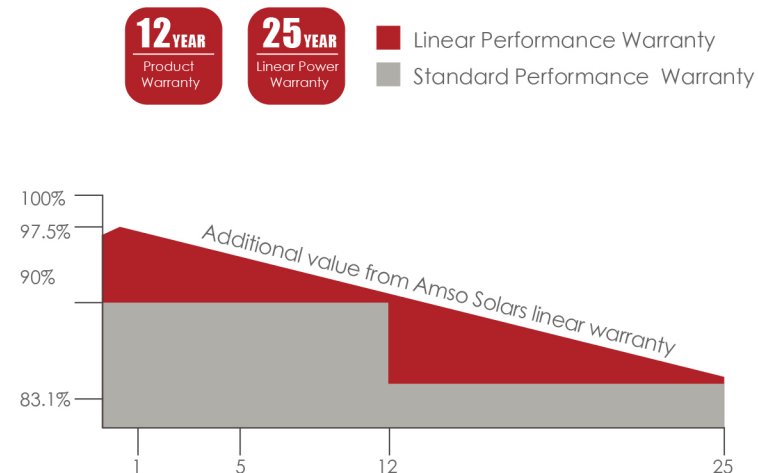
- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



## 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
AS310S-60	310	120 (6*20)	1690*996*35	18.4	32.9	9.43	41.08	9.43	18.42%
AS320S-60	320	120 (6*20)	1690*996*35	18.4	33.2	9.63	41.47	9.63	19.01%
AS330S-60	330	120 (6*20)	1690*996*35	18.4	33.7	9.80	41.94	9.80	19.61%
AS340S-60	340	120 (6*20)	1690*996*35	18.4	34.2	9.95	42.41	9.95	20.20%
AS350S-60	350	120 (6*20)	1690*996*35	18.4	34.4	10.18	42.60	9.98	20.79%

## 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
AS270P-120	270	120 (6*20)	1690*996*35	18.4	30.9	8.74	37.6	9.33	16.04%
AS275P-120	275	120 (6*20)	1690*996*35	18.4	31.2	8.82	37.8	9.42	16.34%
AS280P-120	280	120 (6*20)	1690*996*35	18.4	31.5	8.89	38.0	9.51	16.63%
AS285P-120	285	120 (6*20)	1690*996*35	18.4	31.6	9.02	38.3	9.54	16.93%
AS290P-120	290	120 (6*20)	1690*996*35	18.4	31.8	9.12	38.6	9.57	17.23%

## Temperature Rating

Rated battery operating temperature	45±2℃
Maximum power temperature coefficient	-0.4%/℃
Open circuit voltage temperature coefficient	-0.29%/℃
Short circuit current temperature coefficient	-0.05%/℃

## Limit parameter

Operating temperature	-40~+85℃
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℃)

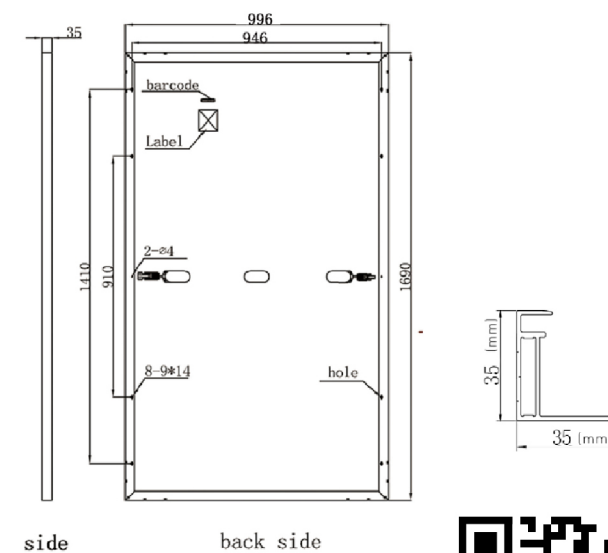
## Mechanical Characteristics

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	30	30&36
Pallets per container	13	25
Pieces per container	384	878

## Mechanical Drawings



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