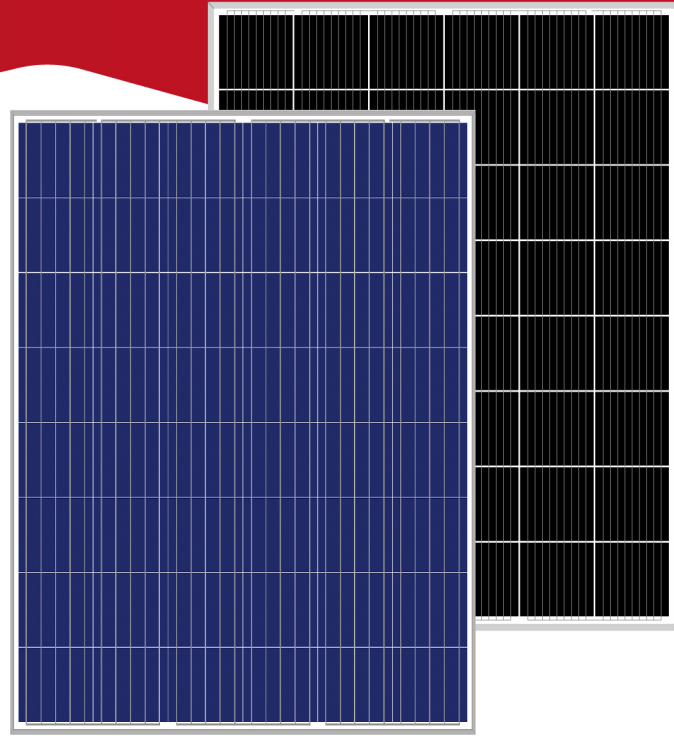


# AMSO SOLAR

200-270W

standard 48 cells crystalline PV Module



## Product Advantage

**5&9 Busbar Solar Cell**  
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



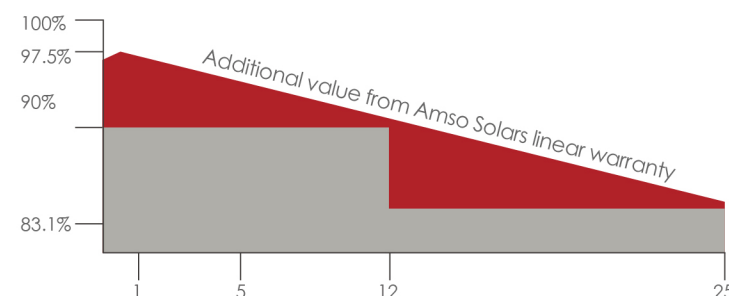
## Technology

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

## Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard 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
AS230M6-48	230	48 (4*8)	1324*992*35	15	24.9	9.24	30.9	9.67	17.5%
AS240M6-48	240	48 (4*8)	1324*992*35	15	25.5	9.42	31.5	9.77	18.3%
AS250M6-48	250	48 (4*8)	1324*992*35	15	25.8	9.69	31.8	10.01	19.0%
AS260M6-48	260	48 (4*8)	1324*992*35	15	26.2	9.93	32.1	10.25	19.8%
AS270M6-48	270	48 (4*8)	1324*992*35	15	26.5	10.19	32.4	10.55	20.6%

## 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
AS200-48	200	48 (4*8)	1324*992*35	15	24.2	8.27	27.7	8.86	15.2%
AS210-48	210	48 (4*8)	1324*992*35	15	24.6	8.54	30.3	9.00	16.0%
AS215-48	215	48 (4*8)	1324*992*35	15	24.9	8.64	30.6	9.07	16.4%
AS220-48	220	48 (4*8)	1324*992*35	15	25.2	8.74	30.9	9.13	16.8%
AS230-48	230	48 (4*8)	1324*992*35	15	25.5	9.02	31.2	9.39	17.5%

## 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)

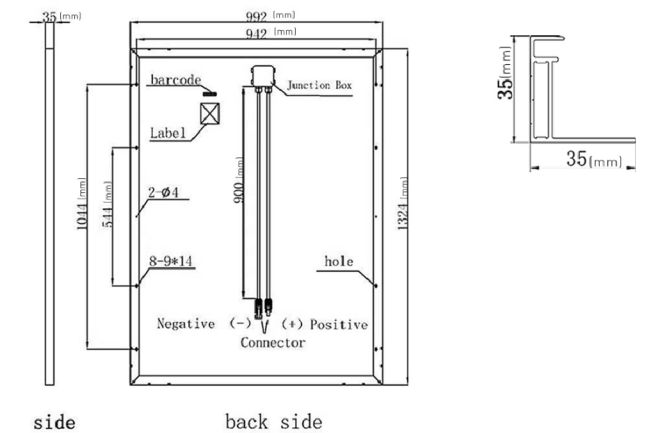
## Mechanical Characteristics

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	30	30&36
Pallets per container	16	34
Pieces per container	480	1140

## Mechanical Drawings



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