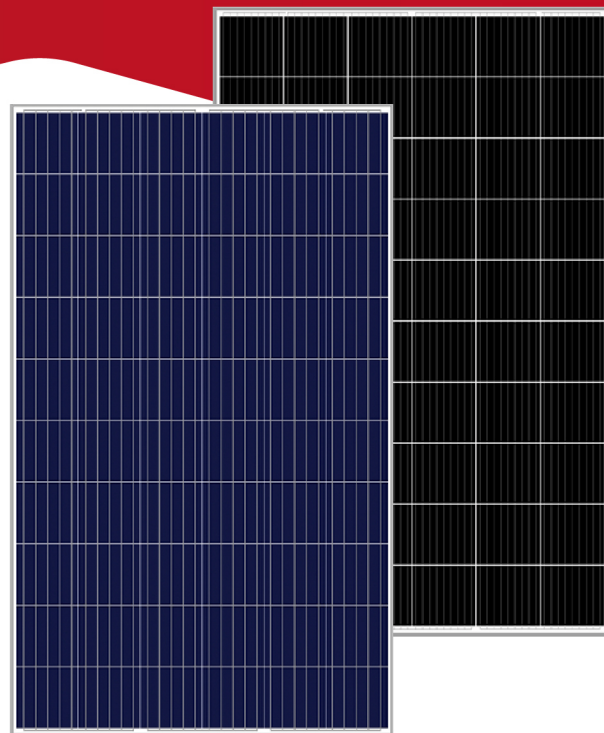


# AMSO SOLAR

275-330W

standard 60 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

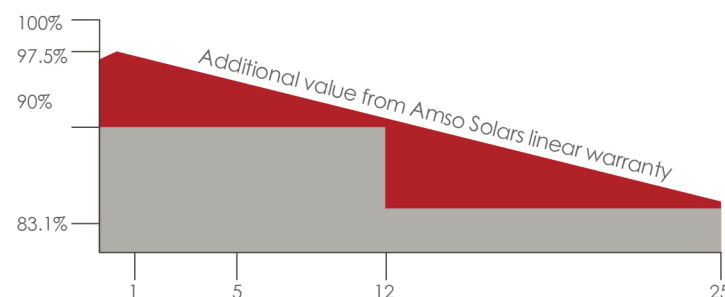


### Technology

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

### Linear performance warranty

**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
AS320M6-60	320	60 (6*10)	1650*992*35	18.5	32.4	9.88	39.9	10.15	19.5%
AS330M6-60	330	60 (6*10)	1650*992*35	18.5	32.8	10.07	40.3	10.37	20.1%

### 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
AS275-60	275	60 (6*10)	1650*992*35	18.5	29.9	9.20	37.6	9.75	16.8%
AS280-60	280	60 (6*10)	1650*992*35	18.5	31.2	8.97	37.8	9.75	17.1%
AS285-60	285	60 (6*10)	1650*992*35	18.5	31.3	9.11	38.1	9.71	17.4%
AS290-60	290	60 (6*10)	1650*992*35	18.5	31.5	9.21	38.3	9.73	17.7%

### 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(atmosphiric mass AM.5,irradiance 1000W/m2,battery temperature 25℃)

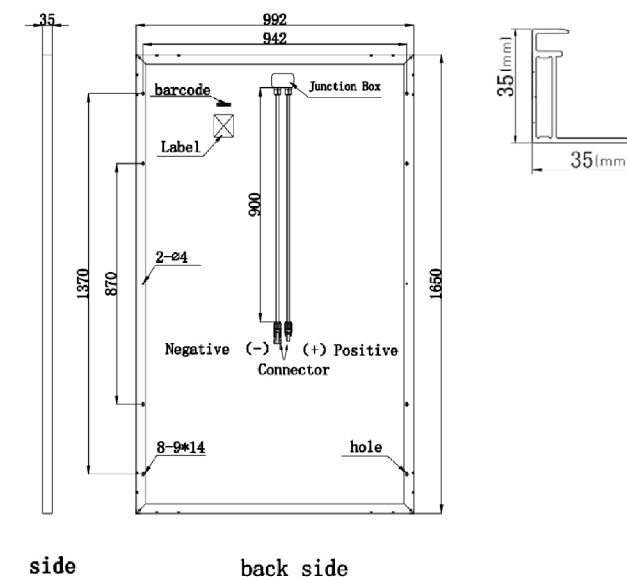
### Mechanical Characteristics

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	28
Pieces per container	388	924

### Mechanical Drawings



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