



**PROUDLY ASSEMBLED IN THE USA**  
www.americansolarwholesale.com

**American Solar**  
Wholesale  
Quality you can count on

# Poly 72 320-340 Watt ASW 320-340PUSA Poly Crystalline Module

Positive Power Tolerance of 0~+5 Watts

ISO9001:2008, ISO 14001:2004, OSHAS18001  
Certified Factory  
IEC61215, IEC61730 certified Products

**Buy American Act Compliant**



## KEY FEATURES



### 4 Busbar Solar Cell:

4 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better power output making it perfect for commercial & utility installations.



### High Power Output:

Polycrystalline 72 - cell module achieves a power output up to 340Wp.



### PID RESISTANT:

ASW modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



### Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.



### Temperature Coefficient:

Improved temperature coefficient decreases power loss during high temperatures.

## About American Solar Wholesale

Designs, manufactures and delivers high efficiency solar modules to the world from its production center in the United States.

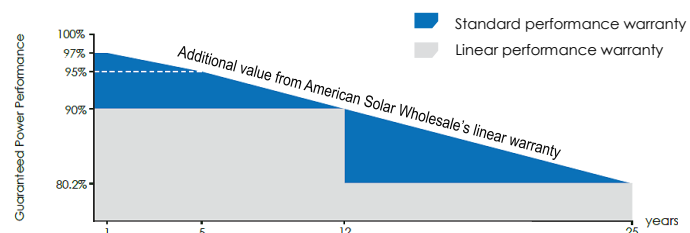
Founded in 2010, American Solar Wholesale is well known for its advanced solar cell technology, reliable product quality, and excellent customer service.

American Solar Wholesale has delivered solar products to military residential, commercial, utility and off grid projects since 2010 which are performing as per warranty.

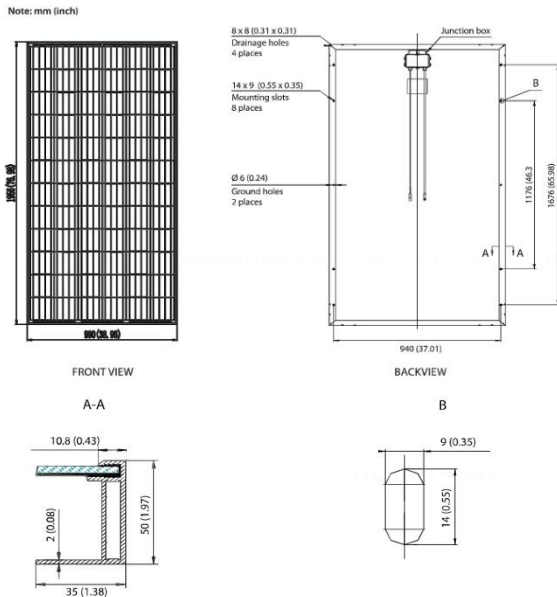
**Bloomberg**  
NEW ENERGY FINANCE

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



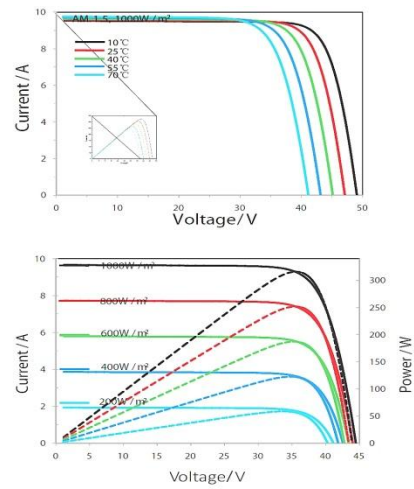
## Packaging Configuration

(two pallets = 1 stack 2358 lbs) 7.40 " H x 44.88 " W x 79.25"L

24 & 21 pcs/pallet, 45pcs stack, 552 pcs/40' HQ Container

24 & 21 pcs/pallet, 45pcs stack, 504 pcs/40' HQ Container

## IV - Curves



## Mechanical Characteristics

Cell Type	Poly-crystalline 156 x156mm (6 inch)
No. of Cells	72 (6x12)
Dimensions	1956 x 990 x 50mm (77.00 x 38.94 x 1.97)
Weight	22.3 kg (49.1 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, TUV & UL
Output Cables	TUV 1x4.0mm, length:900mm, MC4 compatible
Class	Application Class A, Safety Class II

## SPECIFICATIONS

Module Type	ASW320-72PUSA		ASW325-72PUSA		ASW330-PUSA		ASW335-72PUSA		ASW340-72PUSA	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	320Wp	237Wp	325Wp	241Wp	330Wp	244Wp	335Wp	248Wp	340Wp	251Wp
Maximum Power Voltage (Vmp)	37.3V	34.5V	37.4V	34.6V	37.6V	35.0V	37.8V	35.3V	38.0V	35.4V
Maximum Power Current (Imp)	8.57A	6.86A	8.68A	6.97A	8.77A	6.97A	8.86A	7.04A	8.95A	7.12A
Open-circuit Voltage (Vmp)	45.9V	42.6V	46.0V	42.7V	46.2V	43.0V	46.4V	43.2V	46.6V	43.4V
Short -circuit Current (Isc)	9.10A	7.35A	9.27A	7.46A	9.36A	7.48A	9.45A	7.56A	9.91A	7.63A
Module Efficiency STC (%)	16.53%		16.78%		17.04%		17.30%		17.55%	
Operating Temperature (°C)	-40°~+85°									
Maximum System Voltage	1,500VDC VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+5 Watts									
Temperature Coefficients of Pmax	-0.408%/C									
Temperature Coefficients of Voc	-0.292%/C									
Temperature Coefficients of Isc	0.045%/C									
Nominal Operating Cell Temperature (NOCT)	45±2 C									

\*Power Measurement Tolerance: ±5 Watts

STC (Standard Test Condition):

Irradiance 1000 W/m<sup>2</sup>, Module Temperature 25 °C, AM 1.5

NOCT (Nominal Operating Cell Temperature):

Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

## Comprehensive products and system certificates

- IEC 61215/ IEC 61730/ UL 1703/ IEC 61701/IEC 62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System



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The company reserves the final right for explanation on any of the information presented hereby. ASW320-340PUSA\_v1.0\_rev2017