

Mono QSAR 72
330-350 Watt
ASW 330-350MUSA
Mono Crystalline Module

Positive Power Tolerance of 0~+3%

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

MADE IN THE USA



KEY FEATURES



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



System Voltage:

The maximum voltage is promoted up to 1500V and the module strings are extended by 50% which reduces overall system BOS.



High Efficiency:

Higher module conversion efficiency (up to 18.08%) benefit from our QSAR technology.



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.

About American Solar Wholesale

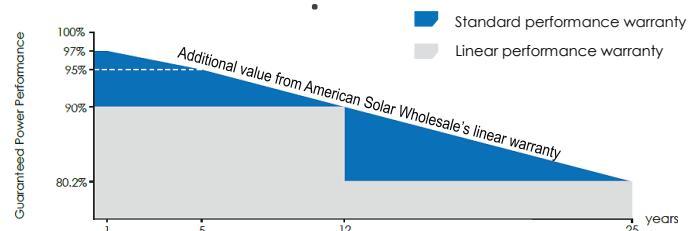
Designs , manufactures and delivers high efficiency solar modules to the world from its production center in the United States.

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.

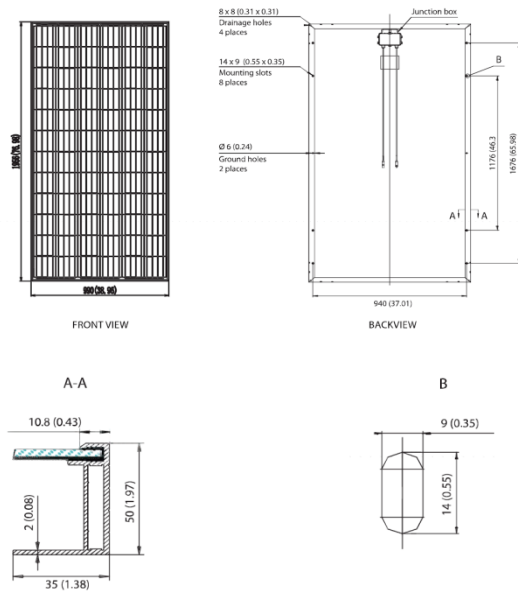
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty 25 Year Linear Power Warranty



Engineering Drawings

Note: mm (inch)



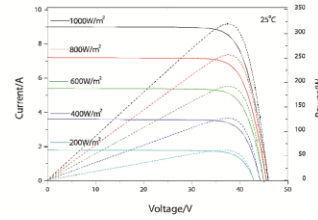
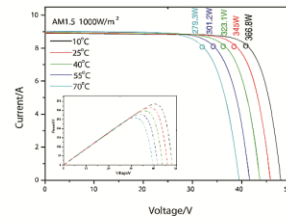
Packaging Configuration

(two pallets = 1 stack 2829 lbs) 96" H x 44" W x 84"L

24pcs/pallet, 48pcs stack, 552 pcs/40' HQ Container

24pcs/pallet, 48pcs stack, 504 pcs/40' HQ Container

IV - Curves



Mechanical Characteristics

Cell Type	Mono-crystalline 56x156mm (6 inch)
No. of Cells	72 (6x12)
Dimensions	1956x990x50mm (77.00x38.94x1.97)
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
Output Cables	TUV 1x4.0mm, length:900mm, MC4
Class	Application Class A, Safety Class II

SPECIFICATIONS

Module Type	ASW330-72MUSA		ASW335-72MUSA		ASW340-MUSA		ASW345-72MUSA		ASW350-72MUSA	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	330Wp	243Wp	335Wp	246Wp	340Wp	249Wp	345Wp	252Wp	350Wp	255Wp
Maximum Power Voltage (Vmp)	37.3V	34.7V	37.6V	34.8V	37.8V	34.9V	38.0V	35.0V	38.2V	35.1V
Maximum Power Current (Imp)	8.85A	7.01A	8.93A	7.07A	9.01A	7.14A	9.09A	7.20A	9.17A	7.26A
Open-circuit Voltage (Voc)	46.1V	42.4V	46.3V	42.6V	46.5V	42.8V	46.7V	43.0V	46.9V	43.2V
Short-circuit Current (Isc)	9.20A	7.43A	9.26A	7.51A	9.32A	7.60A	9.38A	7.68A	9.44A	7.72A
Module Efficiency STC (%)	17.04%		17.30%		17.55%		17.82%		18.08%	
Operating Temperature (°C)	-40°~+85°									
Maximum System Voltage	1,000VDC or 1,500 VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.423%/C									
Temperature Coefficients of Voc	-0.307%/C									
Temperature Coefficients of Isc	0.039%/C									
Nominal Operating Cell Temperature (NOCT)	45±2 C									

*Power Measurement Tolerance: ±3%

STC (Standard Test Condition):

NOCT (Nominal Operating Cell Temperature):

Irradiance 1000 W/m², Module Temperature 25 °C, AM 1.5

Irradiance 800 W/m², 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

