

American Solar

MADE IN USA 

Wholesale
Quality you can count on

Monocrystalline

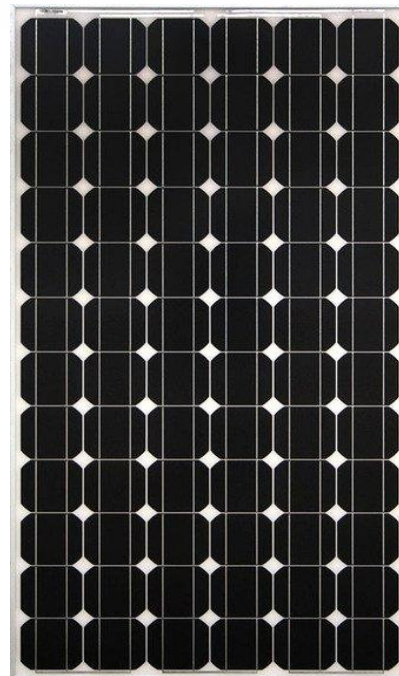
280 – 340 WATT

HIGH QUALITY MONO-CRYSTALLINE PV MODULES
Available In Both Standard and Black on Black

American Solar Wholesale

Using automated production lines, top of the line solar cells and materials complying to the highest industry standards. American Solar Wholesale provides a complete set of poly and mono-crystalline PV modules ranging from **10W to 360W**

American Solar Wholesale offers panels for use in small off-grid systems to the largest on-grid solar farms. Panels are tested and qualified for the severest weather conditions.



Features

Solar module efficiency up to 17.5%
Protective bypass diodes
Factory equipped weatherproof junction Box
Waterproof (UL94. V-O) connector
Anodized aluminum frame
Tempered Glass
EVA resin
Weather proof film
Highest standards in manufacturing and design quality
Cleanroom-like production line

Benefits

Generate more energy per square meter
Avoids effect of partial shading
Flawless operation in wet weather and marine applications
Perfect for GRID applications
Resilient to harsh weather conditions
Optimal panel performance
Long term production performance

Only qualified personnel should install or perform maintenance. Please read the American Solar wholesale Installation Manual before installation; Be aware of dangerously high DC voltage; Do not install modules when wet or broken.

QUALITY ASSURANCE

- Backed by liability insurance
- Salt Mist Corrosion Certified
- Wind Resistance Load: 6000Pa
- ISO9001:2008
- Electrical insulation test
- Outdoor exposure test
- Hot spot endurance test
- UV exposure IEC61345
- Thermal cycling
- Humidity freeze
- Damp heat test
- Robustness and termination test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

INVESTMENT PROTECTION

- 10 years product workmanship guarantee
- 12 years 90% power output warranty
- 25 years 80% power output warranty



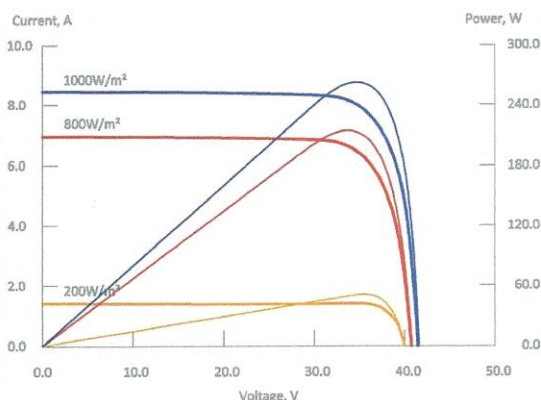
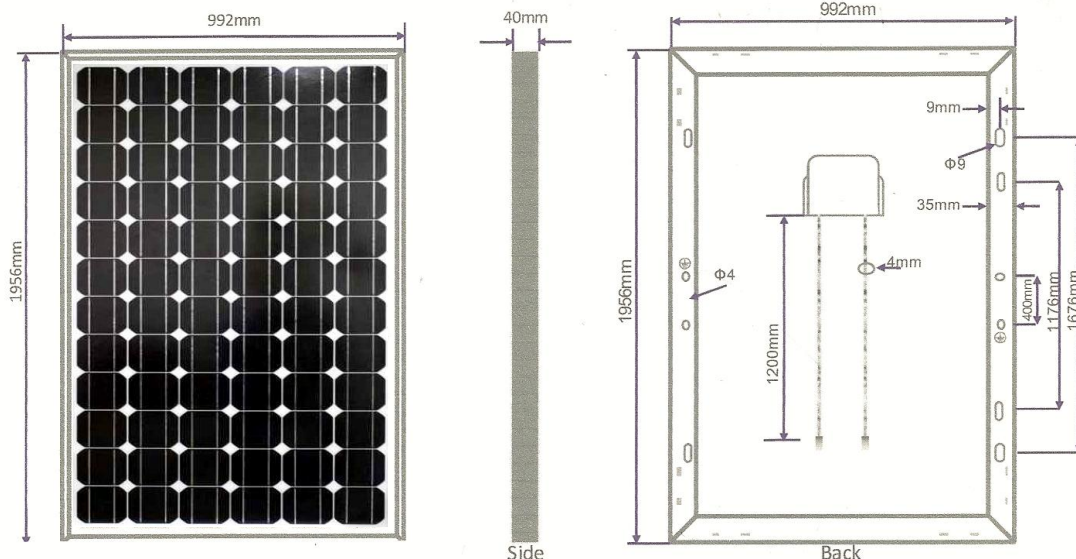
specifications to change without notice.

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www.AmericanSolarWholesale.com
sales@americansolarwholesale.com

Electrical

Maximum Power (+ 3%)	280	285	290	295	300	305	310	315	320	325	330	335	340
Open Circuit Voltage (V)	44.86	44.21	44.57	44.57	44.71	44.86	45.00	45.00	45.97	46.38	46.76	47.04	47.18
Short Circuit Current (A)	8.21	8.39	8.48	8.52	8.58	8.72	8.79	8.89	9.46	9.52	9.57	9.61	9.64
Maximum Power Voltage (V)	36.86	36.72	36.72	36.72	36.72	36.72	36.72	36.72	37.30	37.48	37.71	37.98	38.32
Maximum Power Current (A)	7.60	7.77	7.90	8.04	8.17	8.31	8.45	8.58	8.58	8.67	8.75	8.82	8.96
Solar Module Efficiency (%)	14.4%	14.7%	14.9%	15.2%	15.5%	15.7%	16.0%	16.2%	16.5%	16.7%	17.0%	17.3%	17.5%
Series Fuse Rating (A)	15A												
Terminal Box Protection Code	IP65												
Maximum System Voltage (V)	VDC1000												
Operating Temperature (C)	-40°C to +85												
Number of Cells	72 (6" Mono)												
Connector Type	Tyco/Mc4 – based on customer request												



Mechanical

Frame	Anodized Aluminum
Dimension (L x W x D)	77.01" x 39.06" x 1.57"
Weight/pc	23.0kg/50.7 lbs
Packing	26 pcs/ carton
Loading/container	312 pcs/20ft; 728/40 ft
Maximum Wind Load	5400 Pa

Temperatures

NOCT	46±0.2°C
Short Circuit Current	+0.04%/C
Open Circuit Voltage	-0.29%/C
Max Power Output	-0.375%/C

Temperatures

Irradiance	1000W/m²
Module temperature	25°C
AM	1.5



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