

# American Solar

**Wholesale**  
Quality you can count on

**MADE IN USA** 

## Monocrystalline

265-305 WATT

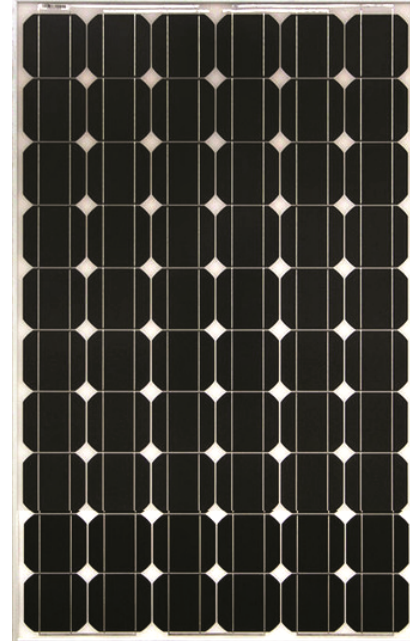
**HIGH QUALITY MONO-CRYSTALLINE PV MODULES**  
Available In Both Standard and Black on Black

### 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.

High PTC Rating 91.9%  
Fire Class A



### Features

Solar module efficiency up to 18.8%  
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



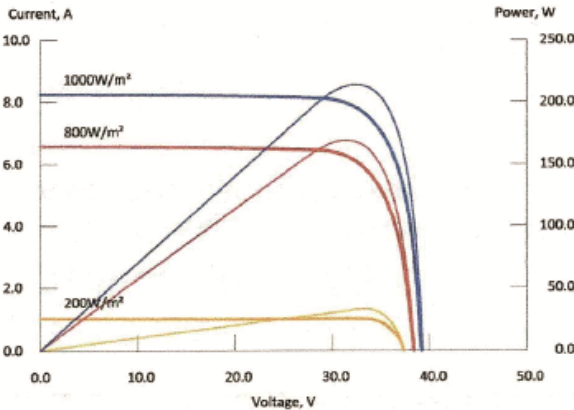
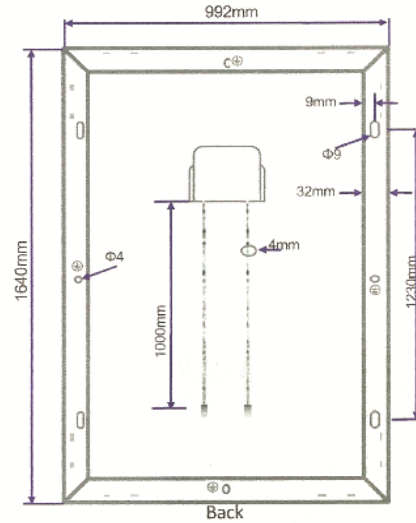
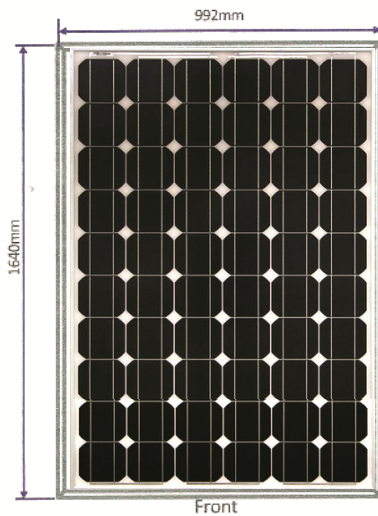
specifications to change without notice.

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sales@americansolarwholesale.com

www.AmericanSolarWholesale.com

# Electrical

Maximum Power (+ 3%)	265	270	275	280	285	290	295	300	305
Open Circuit Voltage (V)	38.12	38.45	38.77	39.10	39.43	39.77	40.11	40.45	40.79
Short Circuit Voltage (A)	8.93	9.07	9.20	9.34	9.48	9.62	9.77	9.91	10.06
Maximum Power Voltage (V)	30.83	31.06	31.29	31.53	31.76	32.00	32.24	32.48	32.73
Maximum Power Current (A)	8.60	8.69	8.79	8.88	8.97	9.06	9.15	9.24	9.32
Solar Module Efficiency (%)	16.3%	16.6%	16.9%	17.2%	17.5%	17.8%	18.1%	18.4%	18.7%
Series Fuse Rating (A)	15A								
Terminal Box Protection Code	IP65/7								
Maximum System Voltage (V)	VDC1000								
Operating Temperature (C)	-40°C to 85								
Number of Cells	60 (6" Mono)								
Connector Type	Tyco/Mc4 – based on customer request								



# Mechanical

Frame	Anodized Alumium
Dimension (L x W x D)	64.57" x 39.06" x 1.57"
Weight/pc	19.0kg/41.9 lbs
Packing	26 pcs/ carton
Loading/container	312 pcs/20ft; 728/40 ft
Maximum Wind Load	30 lbs/ft²

# Temperatures

NOCT	46.7°C
Short Circuit Current	+0.04%/C
Open Circuit Voltage	-0.28%/C
Max Power Output	-0.38%/C

# Temperatures

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



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