

AmeriBRIGHT 200W

MODEL NUMBER

FEATURES

- Module contains 54 series connected 156x156 mm² multi-crystalline silicone solar cells.
- Designed to accommodate remote battery charging or grid connected applications.
- Tolerance of $\pm 5\%$ ensures that you receive the power that you purchase.
- Advanced processing technology and automated production facilities with high quality standards.
- Aluminum anodized frame and tempered glass laminate provides for maximum protection in rugged applications.
- Junction box with "Plug-n-Play" leads provides ease of installation.
- Three bypass diodes for additional cell protection.
- UL 1703, IEC 61215, TUV and cUL certification.
- Limited peak power warranty for 25 years.



ELECTRICAL SPECIFICATIONS at STC

1000W/m², 25°C, AM1.5

Maximum Power (P _{max})	200 W
Voltage at P _{max} (V _{mp})	26.6 V
Current at P _{max} (I _{mp})	7.51 A
Open Circuit Voltage (V _{oc})	32.72 V
Short Circuit Current (I _{sc})	7.9 A

MECHANICAL SPECIFICATIONS

	METRIC	ENGLISH
Length	1482 mm	58.35 in
With	992 mm	39.06 in
Depth	50 mm	1.97 in
Weight	17.9 kg	39.55 lbs

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TEMPERATURE SENSITIVITIES FOR NOMINAL 200 WATT MODULE:

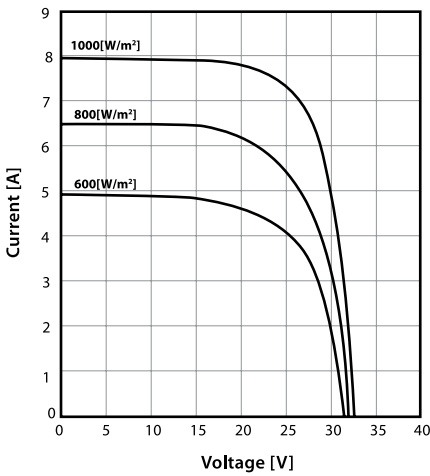
Power	-1.00 W/°C
Open-Circuit Voltage	-0.115V/°C
Short-Circuit Current	+0.0026A/°C

QUALIFICATION TEST PARAMETERS

Humidity Freeze, Damp Heat	85%RH	1000 hrs
Temperature Cycling	-40°C to +90°C	200 cycles
Electrical Isolation	2200 Vdc	
Static Load Front and Back	2400 Pa	
Hailstone Impact	25 mm steel ball at 23 m/s (1" at 50 mph)	

I – V Curves

Cell Temperature: 25°C



Current vs Voltage Characteristics

Module Diagram

