

Specifications



Available with black or white back sheet behind cells
*Shown in black

Maximum Power (Pmax)	258W
Rated Voltage (Vmp)	31.62V
Rated Current (Imp)	8.16A
Open Circuit Voltage (Voc)	37.38V
Short Circuit Current (Isc)	8.72A
Max Fuse Rating	15 A
Weight lbs (kg)	27 lbs (12.3kg)
Power to Weight Ratio: Watts Per Lb/(kg)	9.5W (21W)
Dimensions (inches)	38.67 x 65.06
Module Area ft ² (m ²)	17.3 ft ² (1.61 m ²)
Power Output: Watts per ft ² (m ²)	14.9W (160.5W)
Diodes per module	4
Mono Crystalline Solar Cells	60 cells
Cell Efficiency	~19%

WHY SBM SOLAR?

- Lightweight
- Shatterproof
- Strong & Durable
- High Transparency
- Low Glare
- High Efficiency
- MADE IN USA

UL CERTIFICATION

SBM's 140W non-glass, crystalline PV, rigid modules are UL1703 certified

IEC CERTIFICATION

SBM 140W Module has been certified for Hail Impact Resistance based on the IEC61215 Testing Standards from TUV Rheinland PTL, LLC

For more information please visit us at:
www.sbmsolar.com

SBM SOLAR, INC.

8000 Poplar Tent Rd
Suite C
Concord, NC 28027
Phone 704.788.2881
Fax 704.793.1909

SBM Solar, Inc., founded 2002, is one of the first manufacturers of a UL certified, non-glass, non-EVA and crystalline PV solar module. The module's multi-layered structure provides excellent environmental and chemical protection, better moisture resistance. The encapsulating package is the combination of a Fluoropolymer film provided by *DuPont* and the adhesive encapsulating material, by *The Dow Chemical Company*, performs superior comparing to commonly used EVA. This non-glass PV module is manufactured in the USA.

LIGHTWEIGHT

SBM's solar modules are 40-50% lighter than glass panels. This makes easier for shipping, handling, and installation, and save cost.

SHATTERPROOF/DURABLE

When the glass module is shattered, its entire module will be subsequently loss of power. SBM's non glass modules are completely shatterproof. It is able to withstand the hazardous environmental conditions (hail, rain, wind, heat, cold, and humidity). They are **IEC 61215** certified for hail impact resistance.

HIGH TRANSPARENCY / LOW GLARE

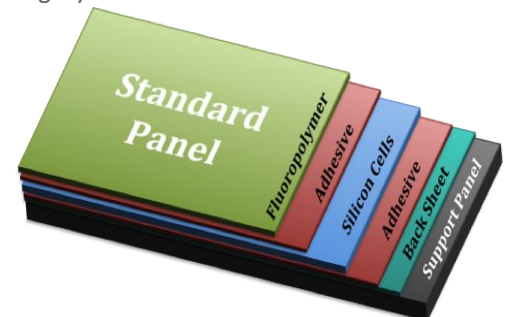
Blinding glare associated with glass panels can be dangerous and unsafe in certain applications. SBM's solar module utilizes its advanced material property to reduce the reflection. This makes SBM solar modules perfect for applications where glare becomes a critical safety issue such as in military, airport, and highways.

HIGH EFFICIENCY C-Si SOLAR CELLS

SBM Solar modules have over twice the wattage per

square foot compared to thin film. They have over 19% cell efficiency and 14.7 watts per square foot compared to thin film's 6-8% module efficiency and 5 watts per square foot.

Besides our standard panels, SBM also develops customized and / or building integrated solar applications. This provides architects and engineers optimal architectural flexibility which preserves design and aesthetic integrity.



All components are made and manufactured in USA

GO GREEN & DEMAND THE BEST!