PowerFilm®
MADE IN THE USA
SOLAR

160W Crystalline Foldable Solar Panel

The 160W Crystalline Foldable Solar Panel uses high-efficiency SunPower monocrystalline cells in place of PowerFilm's traditional amorphous silicon, increasing power and reducing the deployed footprint.

The 160W panel provides a unique blend of power and price. This compact panel fits easily into most backpacks and is the perfect accessory to provide power for a wide range of electronics.

The solar panels are mounted to fiberglass plates for durability and incorporated into a weather-resistant fabric that quickly folds for storage and unfolds for use.

The 160W Crystalline Foldable Solar Panel keeps you connected and helps you get more out of your outdoor adventures.

Tips For Best Use

- Angle the solar panel toward the sun for best results
- Always store in a cool, dry environment
- Not designed for use in the rain
- Allow time to air dry before packing if the panel is wet
- Routinely clean the solar panel to ensure the best performance

Charging Capabilities

Power Stations - Ensure your battery includes an integrated charge controller and can accept the 28.3V provided by the panel.

Ebikes - When paired with the proper boost charge controller, the 160W panel is an ideal fit to charge your bike anywhere.

Ham Radios - When used with a charge controller that matches your battery chemistry, the 160W panel keeps you powered up and making connections.

Benefits

- Compact, lightweight, durable
- Highest-efficiency crystalline cells available Easy to deploy and easy to store
- Multiple charging adapters to fit your needs and charge a wide range of devices
- Designed, engineered and assembled in the United States
- Designed for applicable MIL-STD-810G specs
- Tested to ensure the panel meets or exceeds required performance

Certifications

- CE
- RoHS
- Berry Amendment Compliance

PowerFilm®
MADE IN THE USA
SOLAR

Electrical Characteristics

Rated Voltage at Pmax	28.3V
Rated Current at Pmax	5.7A
Open Circuit Voltage	34.2V
Short Circuit Current	6.1A

*Typical specs measured at STC. Contact PowerFilm for maximum specs and tolerances to use in custom designs or complex applications.

Physical Characteristics

Part Number	F3-48F28.3VKHAS
Folded Dimensions	12.5 x 11.0 x 1.5 inches 317.5 x 279.4 x 38.1 mm
Unfolded Dimensions	71.0 x 24.7 inches 1,803.4 x 627.4 mm
Weight	6.7 lbs 3.0 kg

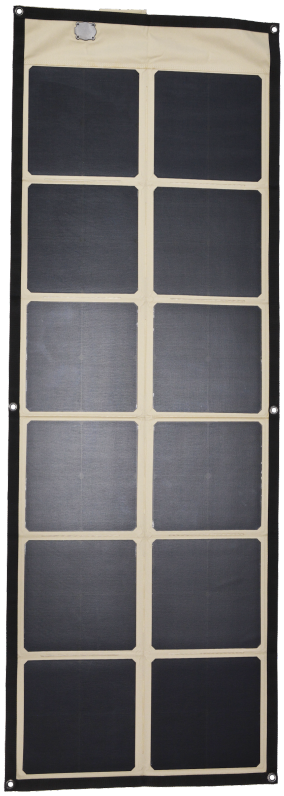
Thermal Characteristics

Temperature Coefficient for Power	-0.27%/°C
Temperature Coefficient for Voltage	-0.236%/°C
Temperature Coefficient for Current	0.058%/°C

Connectors

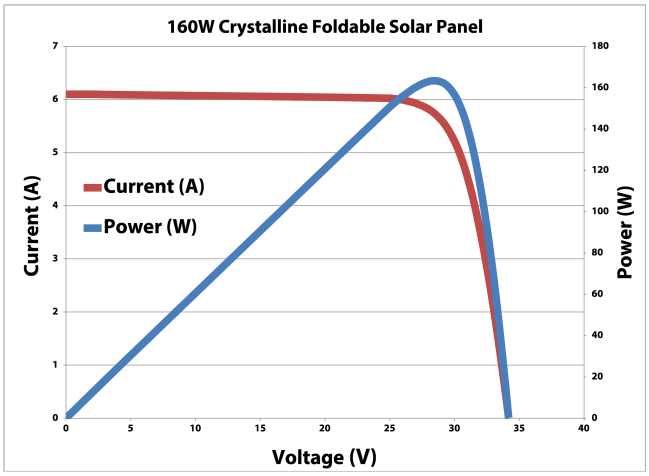
Standard Connector:
SAE

Custom Connectors:
Delphi Weather Pack
4.5mm Barrel
Anderson Powerpole



Standard Colors

- Khaki

*Custom Colors Available

IV Curve