

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 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 best performance

Foldable Charging Capabilities:

Power Stations - Ensure your battery includes an integrated charge controller and can accept the 27.1V 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 keep you powered up and making connections.



Benefits Include:

- 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 manufactured 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

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Electrical Characteristics

Rated Voltage at Pmax	27.1V
Rated Current at Pmax	5.6A
Open Circuit Voltage	32.8V
Short Circuit Current	6.0A

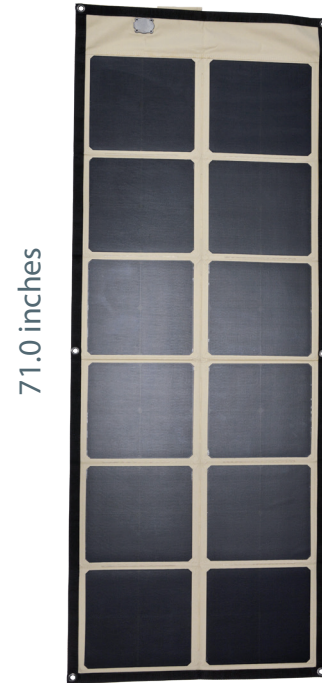
*Typical specs measured at STC. Contact PowerFilm for maximum specs and tolerances to use in custom designs or complex applications.

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	-0.32(%/C)
Temperature Coefficient for Voltage	-1.8 (mV/C)



71.0 inches

24.7 inches

Standard Colors:

Khaki

**Custom Colors Available*

Connectors

Standard Connector:

SAE



Custom Connectors:

Aptiv Weather Pack

4.5 MM Barrel

Anderson Powerpole



IV Curve

