

# PowerFilm<sup>®</sup>

ASSEMBLED IN THE USA

## SOLAR<sup>®</sup>

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## 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 size. This compact panel fits easily into most rucksacks and is the perfect accessory to power 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 powers mission-critical gear in remote and unpredictable environments.



## 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

## Certifications

- CE
- RoHS
- Berry Amendment Compliance

## 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 manufactured in the United States
- Designed to meet applicable MIL-STD-810G specs
- Tested to ensure the panel meets or exceeds required performance

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## Electrical Characteristics

Rated Voltage at Pmax	28.3V
Rated Current at Pmax	5.8A
Open Circuit Voltage	34.2V
Short Circuit Current	6.3A

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

## Physical Characteristics

Part Number	FM3-48F28.3VKHAS
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

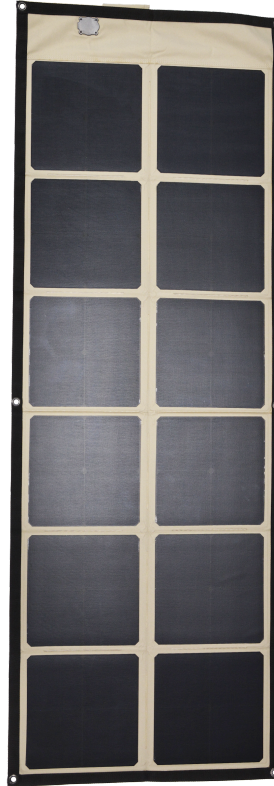
## Thermal Characteristics

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:**  
NATO plug  
Aptiv Weather Pack  
4.5mm Barrel  
Anderson Powerpole



## Standard Colors

- Khaki

*\*Custom Colors Available*

## IV Curve

