

## 110W Crystalline Foldable Solar Panel

The 110W Crystalline Foldable Solar Panel uses high-efficiency Maxeon monocrystalline cells instead of PowerFilm's traditional amorphous silicon, increasing power and reducing the deployed footprint.

The 110W panel provides a unique blend of power and portability. This compact panel fits easily into most backpacks and is the perfect accessory to power various 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.



### Tips For Best Use

- Angle the solar panel toward the sun for the best results
- Always store the solar panel in a cool, dry environment
- Allow time to air dry before packing if the solar 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 18.9V provided by the panel.

**Ebikes** - When paired with the proper boost charge controller, the 110W panel is ideal for charging your bike anywhere.

**Ham Radios** - When used with a charge controller that matches your battery chemistry, the 110W panel keeps you powered up and making connections.

### Certifications

- CE
- RoHS

### Benefits

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

# PowerFilm<sup>®</sup>

ASSEMBLED IN THE USA

## SOLAR

## Electrical Characteristics

Rated Voltage at Pmax	18.9V
Rated Current at Pmax	5.8A
Open Circuit Voltage	23.5V
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	F3-32F18.9VBLKS
Folded Dimensions	12.0 x 11.0 x 1.5 inches 304.8 x 279.4 x 38.1 mm
Unfolded Dimensions	46.4 x 24.2 inches 1,178.6 x 614.7 mm
Weight	4.2 lbs / 1.9 kg

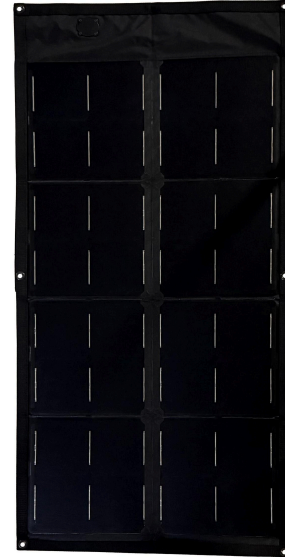
## Thermal Characteristics

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:**  
Aptiv Weather Pack  
4.5mm Barrel  
Anderson Powerpole



## Standard Colors

- Black

\*Custom Colors Available

## IV Curve

