

# PowerFilm<sup>®</sup>

MADE IN THE USA

## SOLAR

## 60W Foldable Solar Panel with Overlamine

The 60W Foldable Solar Panel with Overlamine is lightweight, durable and extremely portable.

The solar panels are mounted to weather-resistant fabric that quickly folds for storage and unfolds for use.

Unmatched durability allows for use in the harshest environments and a panel that works even after a portion is damaged.

The top sheet of lamination on the panel provides improved moisture resistance and durability for the solar modules and the fabric.

This compact panel fits easily into most backpacks and is the perfect accessory to power various electronics.

The 60W Foldable Solar Panel with Overlamine 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 15.4V provided by the panel.

**Ebikes** - When paired with the proper boost charge controller the 60W panel is an ideal fit to charge your bike anywhere.

**Ham Radios** - When used with a charge controller that matches your battery chemistry, the 60W panel keep you powered up and making connections.



### Benefits

- Compact, lightweight, durable - military tested (MIL-STD-810G).
- Easy to deploy and easy to store.
- Provides some power even in hazy and shaded environments.
- Light sensitive technology turns on early in the day and stays on later in the day.
- Multiple charging adapters to fit your needs and charge a wide range of devices.
- Designed, engineered and manufactured in the United States.

### Certifications

- CE
- MIL-STD-810G
- RoHS
- Berry Amendment Compliance

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## Electrical Characteristics

Rated Voltage at Pmax	15.4V
Rated Current at Pmax	3.6A
Open Circuit Voltage	21.9V
Short Circuit Current	4.6A

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

## Physical Characteristics

Part Number	F16-3600L
Folded Dimensions	13.0 x 7.5 x 2.7 inches 330.2 x 190.5 x 68.6 mm
Unfolded Dimensions	47.0 x 51.5 inches 1,193.8 x 1308.1 mm
Weight	3.2 lbs 1.4 kg

## Thermal Characteristics

Temperature Coefficient for Power	- 0.200 (%/C)
Temperature Coefficient for Voltage	- 1.240 (mV/C)
Temperature Coefficient for Voc	- 0.300 (%/C)
Temperature Coefficient for Isc	0.109 (%/C)

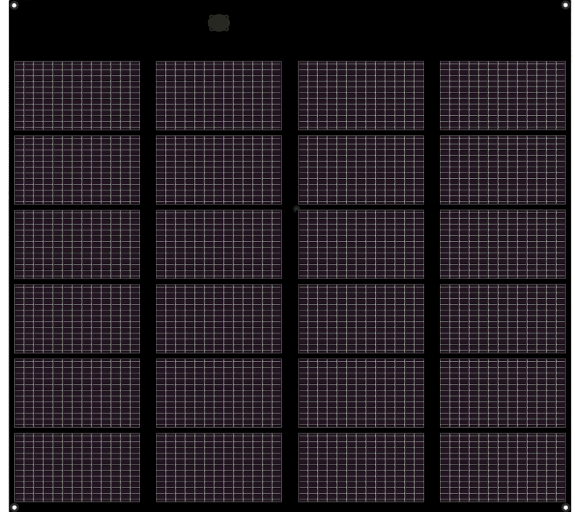
## Connectors

### Standard Connector:

Delphi Weather Pack

### Custom Connectors:

SAE, 4.5mm Barrel, Anderson Powerpole



## Standard Colors

- Black

\*Custom Colors Available

## IV Curve

