

135W Crystalline Foldable Solar Panel

The 135W 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 135W 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 135W 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 for applicable MIL-STD-810G specs
- Tested to ensure the panel meets or exceeds required performance

PowerFilm[®]

ASSEMBLED IN THE USA

SOLAR[®]

Electrical Characteristics

Rated Voltage at Pmax	23.6V
Rated Current at Pmax	5.8A
Open Circuit Voltage	27.3V
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	FM3-40F23.6VKHAS
Folded Dimensions	13.0 x 11.0 x 1.5 inches 330.2 x 279.4 x 38.1 mm
Unfolded Dimensions	58.0 x 25.3 inches 1,473.2 x 642.6 mm
Weight	5.5 lbs / 2.5 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

