

40W Crystalline Foldable Solar Panel

The 40W Crystalline Foldable Solar Panel uses high-efficiency Maxeon monocrystalline cells in place of PowerFilm's traditional amorphous silicon, increasing power and reducing the deployed footprint.

The 40W 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 40W 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 assembled in the United States
- Designed for applicable MIL-STD-810G specs
- Tested to ensure the panel meets or exceeds required performance

Electrical Characteristics

Rated Voltage at Pmax	7.1V
Rated Current at Pmax	5.8A
Open Circuit Voltage	8.6V
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	FM3-12F7.1VKHAS
Folded Dimensions	12.0 x 6.3 x 1.0 inches 304.8 x 160.0 x 25.4 mm
Unfolded Dimensions	37.5 x 12.0 inches 952.5 x 304.8 mm
Weight	1.8 lbs / 0.8 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

