

100 Watt Solar Panel

Soltronix brings together high-efficiency SunPower monocrystalline solar cells and PowerFilm® Solar's 30 years delivering custom solar solutions. The 100 Watt Solar Panel includes semi-flexible fiberglass backing and whole-cell design for maximum power and reliability.

Pair your 100 Watt panel with the SunSaver-10 10A charge controller to ensure efficient charging and maximum battery life.

Soltronix also provides a proprietary encapsulation stack. The stack includes ETFE for maximum UV protection, and a custom layer of four other materials to provide impact resistance and durability far above industry norms. Due to this unique stack Soltronix panels can withstand significant hail before breaking.

Leveraging decades of expertise in custom encapsulations and solar electronics, the 100 Watt Solar Panel provides unsurpassed efficiency and reliability for your applications.



Tips For Best Use:

- Angle the solar panel toward the sun for best results.
- Place in a location without shadows or shading.
- Routinely clean the solar panels to ensure best performance.

Benefits Include:

- High Efficiency SunPower Cells
- Semi Flexible Design
- Rugged Encapsulation

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Electrical Characteristics

Rated Voltage at Pmax	18.1 (VDC)
Rated Current at Pmax	5.6 (ADC)
Open Circuit Voltage	21.8 (VDC)
Short Circuit Current	6.0 (ADC)

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

Physical Characteristics

Part Number	RP-32F16.6V
Dimensions	44.5 x 20.9 x 0.1 inches 1,130.3 x 530.9 x 2.5 mm
Weight	5.5 lbs 2.5 kg

Thermal Characteristics

Temperature Coefficient for Power	- 0.32 (%/C)
Temperature Coefficient for Voltage	-1.8 (mV/C)

Connectors

Standard Connector:
Aptiv Weather Pack



Custom Connectors:
SAE
Anderson Powerpole
Barrel
Customer Specified



IV Curve

