

## 110W Semi-Flexible Solar Panel

Soltronix brings together high-efficiency SunPower monocrystalline solar cells and PowerFilm's 30-plus years delivering custom solar solutions. The 110W solar panel includes semi-flexible fiberglass backing and whole-cell design for maximum power and reliability.

Pair your 110W solar panel with a charge controller to ensure efficient charging and maximum battery life.

Soltronix also provides a proprietary encapsulation stack which 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 impacts before losing any power.

Leveraging decades of expertise in custom encapsulations and solar electronics, the 110W 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 panel to ensure best performance.

### Benefits Include:

- High-efficiency SunPower cells
- Semi-flexible design
- Rugged encapsulation
- Sustains damage without total power loss

## 110W Semi-Flexible Solar Panel

### Electrical Characteristics

Rated Voltage at Pmax	19.3 (VDC)
Rated Current at Pmax	5.7 (ADC)
Open Circuit Voltage	23.5 (VDC)
Short Circuit Current	6.3 (ADC)

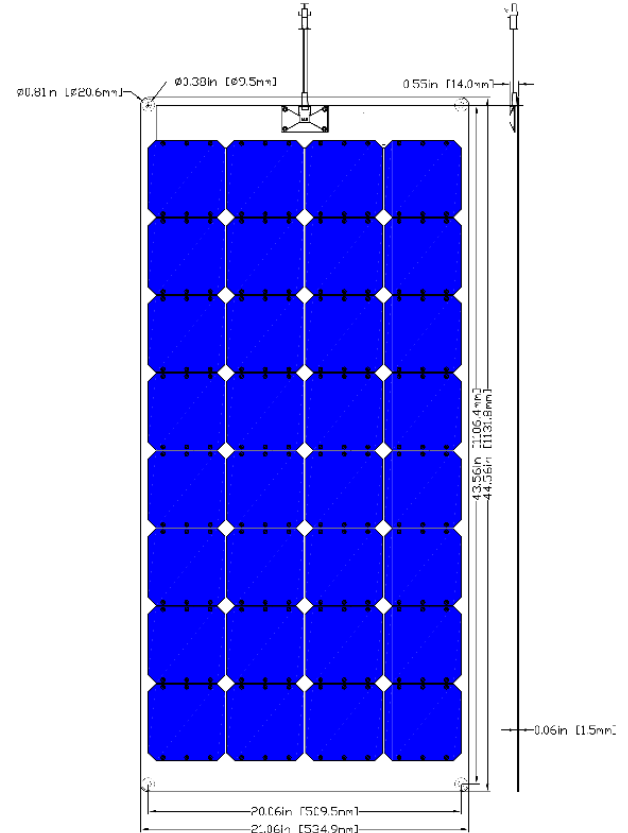
\*Typical specs measured at STC. Contact PowerFilm for maximum specs and tolerances to use in custom designs or complex applications.

### Physical Characteristics

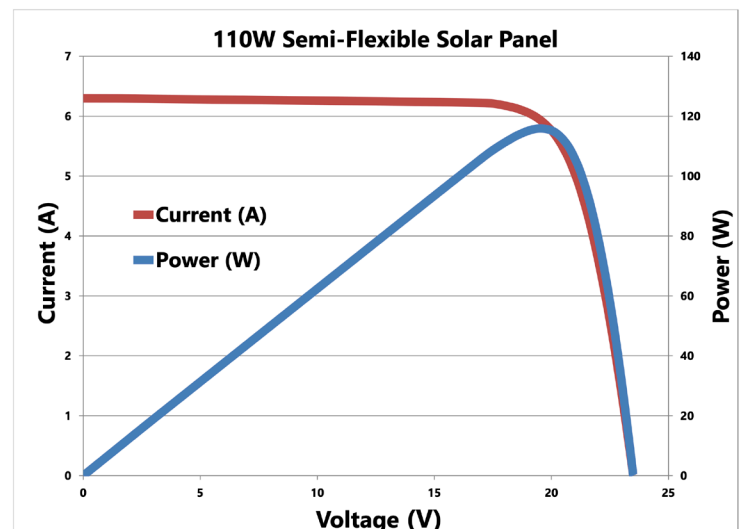
Part Number	R3-32F18.9V
Dimensions	44.5 x 20.9 x 0.1 inches 1,130.3 x 530.9 x 2.5 mm
Weight	5.5 lbs 2.5 kg

### Thermal Characteristics

Temperature Coefficient for Power	-0.27%/°C
Temperature Coefficient for Voltage	-0.236%/°C
Temperature Coefficient for Current	0.058%/°C



### IV Curve



### Connectors

**Standard Connector:**  
Aptiv Weather Pack



**Custom Connectors:**  
SAE  
Anderson Powerpole  
Barrel  
Customer Specified

