

## 110W SemiFlex Solar Panel with Integrated Edge Seal

**Applications: Starting battery management for two or three battery vehicles (Class 6 & 8).**

Keep your fleet running smoothly with the 110W SemiFlex Solar Panel, designed for commercial transportation. This maintenance-free solution reliably charges starting batteries for two- or three-battery vehicles, helping fleet managers prevent starting battery failures, reduce downtime, and lower operating costs.

Paired with PowerFilm's proprietary charge controller technology, the panel maximizes solar output for 12V battery systems—extending battery life, preventing overcharging, and reducing maintenance costs.

The Place & Pull double-release liner enables quick, damage-free installation by minimizing panel flex, a common issue with other semi-flexible panel designs. This protects the high-efficiency Maxeon monocrystalline cells, ensuring exceptional power output and long-term durability.

With an integrated edge seal, the panel eliminates external edge taping, reducing installation time while ensuring a clean, professional finish that withstands harsh conditions.

The 110W SemiFlex Solar Panel helps fleets stay on schedule by reducing jumpstarts, extending battery life, and cutting maintenance costs—improving reliability, efficiency, and overall performance.



### Benefits:

- Easy installation with integrated edge seal and Place & Pull double-release liner
- Pairs with PowerFilm-designed charge controller for optimized charging and battery safety
- Rugged, self-cleaning surface
- High-efficiency Maxeon cells for maximum power output
- Designed, engineered and assembled in the USA
- Tested to meet or exceed performance standards

# PowerFilm<sup>®</sup>

## SOLAR

ASSEMBLED IN THE USA

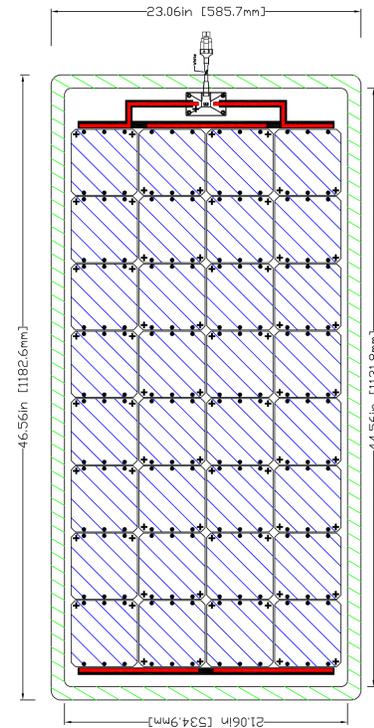
### Electrical Characteristics

|                       |       |
|-----------------------|-------|
| Rated Voltage at Pmax | 18.9V |
| Rated Current at Pmax | 5.8A  |
| Open Circuit Voltage  | 23.5V |
| Short Circuit Current | 6.3A  |

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

### Physical Characteristics

|             |  |
|-------------|--|
| Part Number | R3-32F14.4VXB  |
| Dimensions  | 46.6 x 21.1 x 0.1 inches<br>1,183.6 x 535.9 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  |

### Connector

- Aptiv Weather Pack

### Certifications

- CE
- RoHS

### IV Curve

