

## 180W SemiFlex Solar Panel with Integrated Edge Seal

**Applications:** Full rooftop solar installations for trailers and straight trucks supporting all-electric 24V or 48V TRU systems.

Keep your fleet running smoothly with a complete set of 180W SemiFlex Solar Panels designed for commercial transportation. This maintenance-free solution reliably charges all-electric TRU systems, helping fleet managers reduce diesel consumption and emissions and lower operating costs.

Paired with a commercial maximum power point tracking (MPPT) charge controller, the panels maximize solar output to 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 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 180W SemiFlex Solar Panel helps fleets reduce diesel consumption and emissions and cuts operating costs—improving reliability, efficiency, and overall performance.



### Benefits

- Easy installation with integrated edge seal and Place & Pull double-release liner
- Pairs with MPPT 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

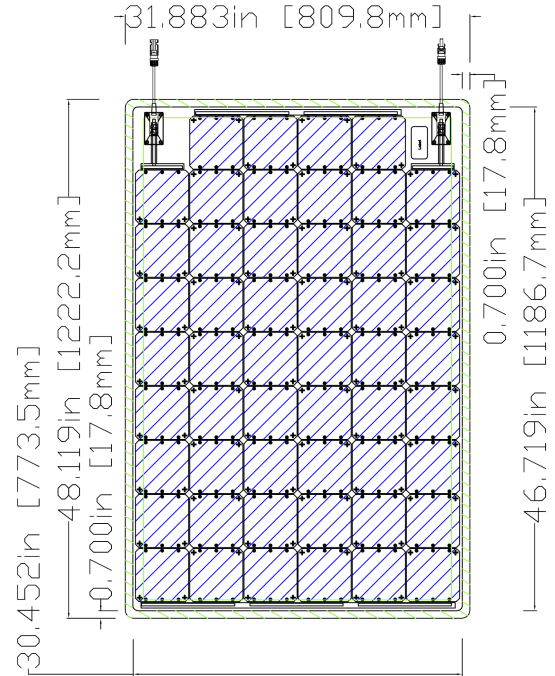
### Electrical Characteristics

|                       |       |
|-----------------------|-------|
| Rated Voltage at Pmax | 30.7V |
| Rated Current at Pmax | 5.8A  |
| Open Circuit Voltage  | 36.9V |
| 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 | R3-52F30.7VXB  |
| Dimensions  | 48.1 x 31.9 x 0.1 inches<br>1,221.7 x 810.3 x 2.5 mm |
| Weight      | ~8.5 lbs / ~3.8 kg                                   |



### Thermal Characteristics

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

### Connector

- MC4

### Certifications

- CE
- RoHS

### IV Curve

