

# PowerFilm<sup>®</sup>

ASSEMBLED IN THE USA

## SOLAR

### 50W SemiFlex Solar Panel with Built-In Charge Controller and Suction Cups

**Applications:** Starting battery management for two-battery vehicles or equipment parked at dealerships and maintenance facilities.

Keep your fleet running smoothly with the 50W SemiFlex Solar Panel with Suction Cups, designed for commercial transportation. This maintenance-free solution charges starting batteries for two-battery vehicles, helping fleet managers prevent starting battery failures and reduce downtime.

The Integrated PowerBoost Charge Controller maximizes solar output for 12V battery systems, extending battery life, preventing overcharging, and reducing maintenance expenses.

The suction cups enable quick, damage-free temporary installation, allowing users to transfer the panel between multiple pieces of equipment.

The 50W SemiFlex Solar Panel with Suction Cups helps fleets stay on schedule by reducing jumpstarts and extending battery life.



### Benefits

- Easy installation with heavy-duty suction cups
- Built-in PowerBoost 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

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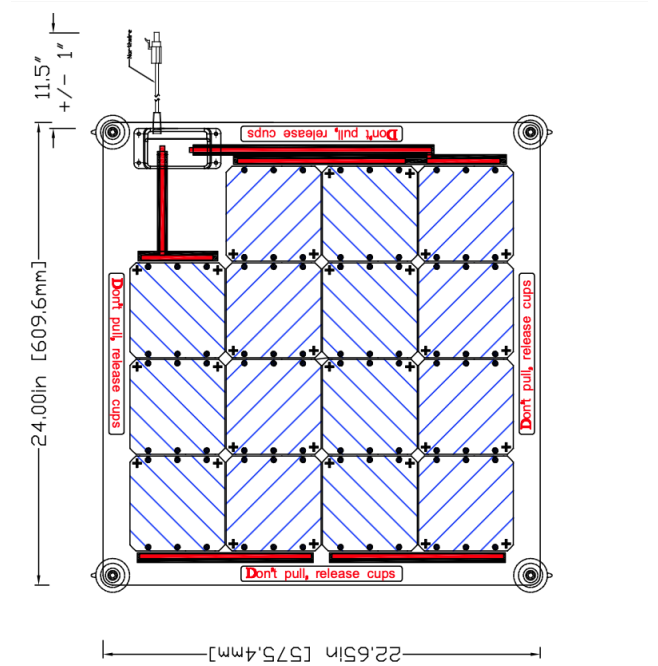
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### Electrical Characteristics

Battery Charge Type	12V Battery (Flooded, AGM, or LiFePO)
Charging Voltage	14.4V (float) 14.6 (max)
Charging Efficiency	88-91% with integrated PowerFilm charge controller
Output To PowerBoost Charge Controller	Nominally 50W
Effective Power To Battery	44.3W

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



### Physical Characteristics

Kit Part Number	CTK-SC-50-15 <i>The kit includes a solar panel, a wiring harness, and installation hardware.</i>
Dimensions	24.0 x 22.6 x 0.1 inches 609.6 x 574.0 x 2.5 mm
Weight	2.9 lbs / 1.3 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

