

160W SemiFlex Solar Panel with Integrated Edge Seal

Applications: Starting battery management for three- or four-battery vehicles and liftgate battery management.

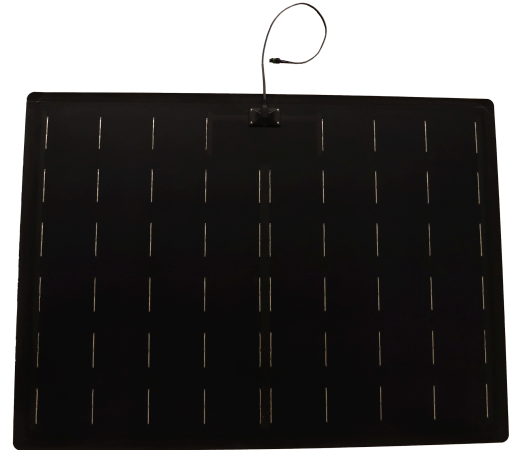
Keep your fleet running smoothly with the 160W SemiFlex Solar Panel, designed for commercial transportation. This maintenance-free solution reliably charges starting batteries for three- or four-battery vehicles and liftgate batteries, helping fleet managers reduce idle time and lower operating costs.

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 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 160W 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[®] SOLAR

ASSEMBLED IN THE USA

Electrical Characteristics

Rated Voltage at Pmax	27.1V
Rated Current at Pmax	5.8A
Open Circuit Voltage	32.8V
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	R3-46F27.1VXBA
Dimensions	45.2 x 33.2 x 0.1 inches 1,148.1 x 843.3 x 2.5 mm
Weight	8.0 lbs / 3.6 kg

Thermal Characteristics

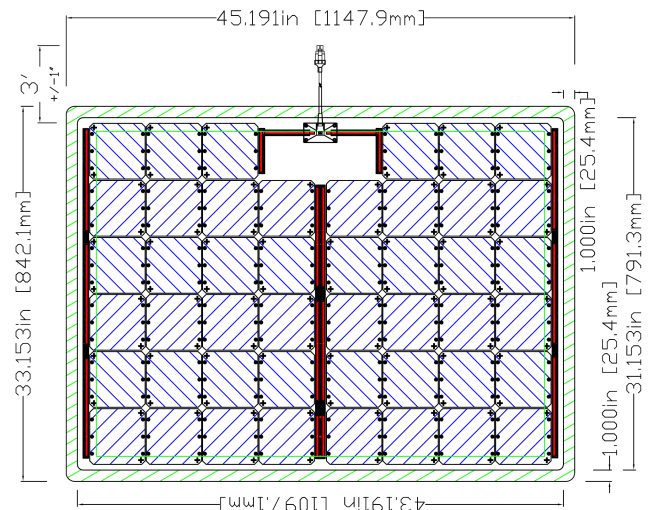
Temperature Coefficient for Power	-0.27%/°C
Temperature Coefficient for Voltage	-0.236%/°C
Temperature Coefficient for Current	0.058%/°C

Connector

- Aptiv Weather Pack

Certifications

- CE
- RoHS



IV Curve

