

SUSTAINABLE SOLUTION SUPPORTING TEMPERATURE CONTROLLED TRANSPORTATION



SUNSHIFTER

DESIGN FEATURES

- **PROVEN SUPERIOR PERFORMANCE** in off-grid temperature controlled applications
- **POWER DISTRIBUTION SYSTEM** is unique to **SUNSHIFTER** with on-board Telematics and Battery Management System
- **PERFORMS IN ALL SEASONS**, even under rigorous weather conditions (Canadian Winters + California Summers)
- **DURABLE**, integrated solar-structural roof system, certified for 20 years
- **BI-DIRECTIONAL** grid charge capability
- Patented technology



POWERFUL PERFORMANCE

- ☀️ 8 kW of solar power makes SunShifter the largest mobile power solution that simultaneously extends range and reduces fuel costs and GHG emissions!

PROVEN FUEL SAVINGS + CARBON FOOTPRINT REDUCTION

Reefer Operation Temperature	@ -20 °C (0 °F)	@ 0 °C (34 °F)
System Performance (hours)	22+ hours	Continuous Off-Grid
Carbon Footprint Reduction (tCO2e/year)	48.3	32.2
Diesel Fuel Savings ¹ (L/year)	21,000 +	13,000 +
Annual Net Cost Savings ¹ (CDN/year)	\$ 29,500 +	\$ 20,000 +

¹ Based on a 12h/day operation per unit in service

APPLICATIONS

- ☀️ SunShifter eliminates need for diesel on **both Hybrid** and **EV** temperature controlled freight on the largest pieces of transportation equipment over the road carrying:
 - frozen/refrigerated foods,
 - medical supplies
 - pharmaceuticals
 - chemical & hazardous goods

- ☀️ Applicable solar-powered electromobility solutions for:
 - Truck boxes
 - Trailers
 - Containers



**Electrical
Safety
Authority**

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