Flexible solutions for your environment

With both single- and dual-tilt canopy solutions, SunPower® Helix® Carports easily adapt to regional weather conditions—from heavy snow loads to torrential rains. Just one of many ways we’re customizing solutions to meet your organization’s unique energy and sustainability challenges.

Industry-leading design and engineering

SunPower® Helix® Carports are the industry’s only fully integrated carport solutions, combining SunPower’s high-efficiency, high-performance solar panels with an optimized mechanical and electrical architecture. The result: faster deployment times and minimal disruption to your organization.

A foundation for sustainable growth

SunPower’s integrated carport designs offer a variety of innovative options, providing more opportunities for your organization to enhance its sustainability efforts with water management, battery storage, electric vehicle charging and energy-efficient lighting.

sunpower.com/carport
SunPower® Helix® Y-Type Carport System

The only fully integrated carport solution on the market

Uniquely engineered to maximize the benefits of SunPower® solar panels, Helix® systems deliver up to 60% more energy in the same space over 25 years.¹

Dual Tilt
Snow and ice are directed to the center of our patented dual-tilt canopies to melt safely away from vehicles and foot traffic.

Single Tilt
Our most ubiquitous carport structure, single-tilt canopies offer a simple, elegant and cost-effective path to energy security.

Industry-leading solar panels
SunPower® Maxeon® cell-based panels offer the best choice for constrained areas.
- High efficiency
- High energy production
- 40-year projected useful life²
- Unparalleled in durability³

SunPower® EnergyLink® Monitoring Software
SunPower’s proprietary energy intelligence platform delivers powerful insights about your system’s energy production and use, with accurate and intuitive reports that highlight financial savings.

Innovative Options

Water Management
Manages water runoff on the underside of the canopy, providing the potential for re-use in onsite irrigation.

Battery Storage
Couples with canopies to achieve demand charge savings and better utilization of energy produced.

EV Charging
Enhances functional use of carports for customers and employees, while promoting EV adoption.

Lighting
Integrates energy-efficient LED lighting within canopies to ensure parking areas stay well lit at night.

Warranties

- SunPower panels 25 years
- Helix mechanical BOS 25 years
- Helix electrical BOS 10 years
- Inverter⁴ 10 years
- SunPower carport structure 25 years
- EnergyLink® monitoring hardware 10 years

¹ SunPower 450 W, 22.2% efficient, compared to a Conventional Panel on same-sized arrays (330 W multi, 17% efficient, approx. 2 m²), 5% more energy per watt (based on PVSim runs for avg US climate), 0.5%/yr slower degradation rate (Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018).
⁴ Manufacturer pass-through warranty. Warranties of 15 or 20 total years are available directly through manufacturer.

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