



EV Solar Carport



SunnyCal Solar Carport is the newest innovation in solar. The carport is a fully self-contained solar power system, including solar modules, with pre-wired inverter, level-2 charger and lithium battery.

A standard carport structure can now become a powerful solar system for your home or business. EV car chargers can be powered directly from solar power.

Replacement for fueled generators when code restrictions prevent conventional generator installation.

Can be used to create autonomous charging ports for charging EV vehicles.

The Solar Carport System features:

- **Standard kit includes carport of 14ftW, 24ft deep, 6-7ft tall**
- **4kWDC Solar roof, using solar cells built into the roof sheets.**
- **Standard 5kW inverter with 20kWhr battery; optional 7.5kW power inverter with 40kWhr battery**
- **120/240vac AC breaker panel**
- **Frame design of 2.25" 14 gauge galvanized steel**
- **Level-2 Loop-EV car charger**
- **Ready to assemble, requiring no cutting or welding**
- **Rafter-Leg spacing options for up to 80lb snow load**
- **Rapid-Install Ground Screw option**



COMPLETE SOLAR POWER SYSTEM

Solar inverter, a level-2 charger and a powerful lithium battery can operate entirely off-grid. This system is powerful enough to supply 40-90 miles of EV driving charger per day. All wiring uses plug-in connectors.



Power Inverter



Battery



Charger

USE SOLAR POWER AS PRIMARY POWER, AND UTILITY POWER ONLY WHEN NEEDED

Solar can serve as primary power, and automatically switch to utility power when the solar power and battery energy is depleted. There is no need to notify your utility company.

INDUSTRY STANDARD SOLAR CELL DESIGN

The Solar Carport roof functions exactly the same as normal solar modules, except that is no glass to break, the strength instead comes from the 22ga metal sheet

RAFTER SPACING DETERMINES SNOW LOAD

The standard 5ft leg and rafter spacing supports up to 20lbs snow load; decreasing rafter-leg spacing to 2.5ft supports up to 80 lbs snow load.

EASY INSTALLATION

The Solar Carport is delivered ready to bolt upright. Installation can be completed in one day when level foundation is ready. Delivery is available.

DURABILITY

Solar Carports are constructed from 100% galvanized framing and rooftop sheeting to preserve appearance and ensure long life. Manufacturers Warranty 10yrs on structural (except finish), 20-25 yrs. on solar modules, and 10 yrs on power inverter.

SOLAR LIGHT OPTION

Optional motion sensing solar-powered outdoor light is available.

