

# Solar Charging Carport

Phoenix Contact | Headquarters Middletown, PA | \$45,700



## Solar Carport for Electric Vehicles

Phoenix Contact's solar charging carport is just one of 1000's of ways Phoenix's products can be integrated. This charging carport includes 12 south-facing solar panels, Apollo Solar inverter and Concorde AGM batteries that collect sunlight during the day. The placement of the solar panels allows for optimal light collection, with an additional 4KW of battery reserve for the electric vehicle.

The advantage of a solar-powered charging station over conventional charging station is that it does not rely on power from a utility company, thus putting no additional demand on the grid. The use of a solar-powered charging station eliminates that long-term issue and saves the consumer money over time. Although this is a prototype, when combined with mass production, it becomes a cost effective solution.

## Services Provided

- All Planning & Conceptualization
- Integration of Phoenix Products
- Structural Design
- Electrical Design
- Educational Integration with College Students
- Solar Calculations
- Detailing and Integration with Production
- Permit Submissions
- Bid Procurement
- Contract Preparation
- Construction Administration
- Construction Management

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