



PairTree

EV charging canopy



The First Pop-up Solar Canopy Of Its Kind With One Day Installation & 99.7% Uptime.

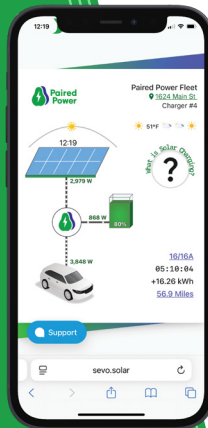
PairTree is the fastest-to-install, resilient EV charging product delivering ultraclean solar power. It's the perfect alternative to grid dependent EV infrastructure and can be deployed quickly without heavy construction costs.

Each PairTree can be equipped with either one or two Level 2 EV chargers, delivering up to 60 kWh of clean and resilient solar energy per day. With optional grid connection, system delivers up to 245 kWh per day.

Experience the next generation of EV charging technology proudly made in the U.S.A.

Standard Features

- Solar canopy uses bifacial PV modules for higher energy yield
- Supports both single and dual-port Level 2 EV Chargers
- Supports universal SAE J1772 or NACS charging cords
- Software app for full charging control via smartphone
- Flexible payment and reservation options
- 24/7 remote monitoring and energy management services
- Proximity nighttime lighting included
- Available 240 VAC grid-connection option
- Available emergency panel to power 240VAC auxiliary loads



- Installs in hours without heavy construction
- Delivers 24/7 microgrid or off-grid renewable power
- Instant energy bill savings, no demand charges
- Available grid-connect option
- Optional emergency power panel

Applications





SOLAR CANOPY ARRAY DIMENSIONS

Height	3.2 m (10.5 ft.) overall
Solar Array	3.7 m (14 ft.) deep x 5.2 m (17 ft.) wide
Base	2.5 m (8.2 ft.) deep x 2.7 m (9 ft.) wide (fits standard parking space)

PV CAPACITY

PV Module Type	Bifacial
Rated Power Output	5.3 kW*

* Power equivalence with bifacial panels

ELECTRIC POWER SPECIFICATIONS

Output Voltage	240VAC
Operating Current Range	0 to 32A (on-grid) or 26A (off-grid)
Rated Output Power	7.7 kW
Max. Battery Capacity	42.4 kWh
EV Chargers	Single or Dual Level 2
Charger Cords	SAE J1772 or NACS (J3400)
Cord Lengths	3.6m (12 ft.) or 5.5m (18 ft.)
Grid Connect Option	240VAC @32A
Emergency Power Panel Option	120/240VAC @25A

ENVIRONMENTAL SPECIFICATIONS

Installation Placement	Outdoors
Battery Enclosure	Watertight / NEMA 3R
Operating Temperature Range	-20°F to 120°F (-25°C to 45°C)
Operating Elevation	<1,524m (<5,000 ft.)
Operational Noise Level	<30 db

COMPLIANCE STANDARDS

SAE J1772 or NACS, OCPP 1.6J compliant, Batteries UL 9540 & 9540A, Inverter UL 1741-2010/2018, FCC Part 15 Class B, NEC 625 compliant

*Specifications may change without notice

