



Microgrid EV Charging

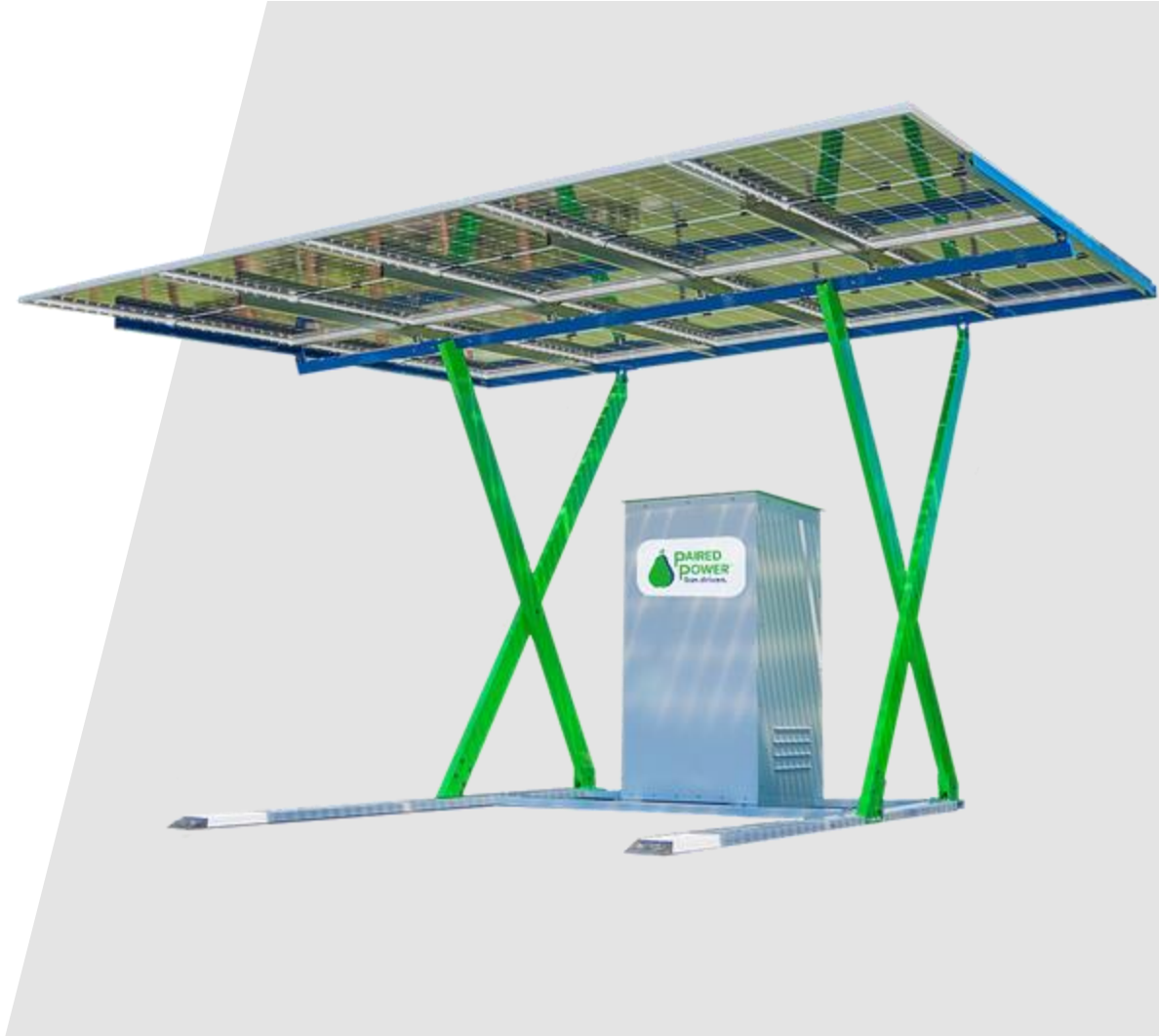


www.pairedpower.com

Microgrid EV Charging – Solving Grid Challenges



- Three potential **energy “sources”**
 - Solar
 - Grid
 - Battery
- And one or more **energy outputs**
 - EV chargers
 - Conventional power
 - Emergency power
- **Energy management is crucial!**



PairTree, Microgrid EV Charger – Sustainability + Resiliency



- **Microgrid** power source combines off-grid & grid
- **Rapid Deployment**
1-day professional install
- **Overcomes challenges** of traditional solar canopies
- Integrated **EV chargers** drives great user experience
- **Energy Management Software** user app, portal, servicing

PairFleet, Microgrid EV Charger – Sustainability + Resiliency



- **Microgrid** power source combines off-grid & grid
- **Canopy or Rooftop Solar** use new or existing construction
- **Battery, Solar & Optional Grid Power** flexible solution to fit your needs
- Integrated **EV charges** drives great user experience
- **Energy Management** Software user app, portal, servicing
- **PairTree Technology, Scaled Up**



Modular BESS – Add EVSE To Any Project



- **For use with or Without Solar**
- **Vertically Integrated Assembly**
Includes: Inverter, Battery EMS & Chargers
- **Works With Conventional Solar**
use new or existing construction
- **Supports Off Grid, On Grid, or Hybrid**
flexible solution to fit your needs
- **Remote Monitoring and Diagnostics**
monitor and maintain in real time
- **Quick to Deploy**
Nearly Plug and Play EVSE
- **Perfect for MUH deployments**
Uses 1/3 the energy of conventional chargers

Level 2 + Level 3 EV Charging Stations



208/240VAC – 40A, 48A, 80A, L3

Benefits

- Built-in display and status LEDs
- Metering to meet regulatory requirements
- RFID reader for tap-to-pay convenience
- Best in class reliability
- Comprehensive product support

Key Features

Higher Output, Lower Cost

Faster Charging without expensive electrical updates

Energy Management System

Permits installation of more chargers with limited grid capacity

Demand Management

Lowers your electricity demand costs vs. traditional chargers

Local Load Management

Adjusts system output without a network connection

Systems Eligible for Many Incentives



Federal ITC

Available as **direct-pay option** for Governments
As high as **50%** (30%+10%+10%) for U.S.
manufacturers in disadvantaged communities

Alternative Fuel Vehicle Refueling Property Credit

Up to 30% direct-pay option

Low Carbon Fuel Credits (LCFS)

Plus many additional incentives

State & local incentives
EVSE incentives



State and Local programs can be searched at www.dsireusa.org/

Case Study Deployments



Delaware Air National Guard – Castle, DE - EV Charging for on-base employee charging – Issue – Too far from power source



City of Campbell – Caampbell, CA- EV charging at City Corporation Yard – Yard is at power capacity – New units slated for downtown deployment–



Carr Winery – Central CA– Remotely installed for tractor and tool charging – no power for miles



Sonoco – Hartsville, SC – EV Charging for employees at HQ – First company charging deployment



City of Davis – Davis, CA – EV Charging for general public at city parks



American Water – Imperial Beach, CA – EV charging for company EVs and forklift

Thank You



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