



FRANKLIN COMMUNITIES

Project Highlights

- **Project Name:** Frankling Apartments
- **Project Type:** Residential Solar | Carport Solar
- **Project Location:** Hamden, Connecticut , USA
- **Project Size:** 500 kW DC (Total 1.0MW DC North and South)
- **Project Completion Date:** December 2024
- **PV Module Supplier:** Boviet Solar
- **Project Installer:** Pure Point Energy
- **Project Owner:** Franklin Communities

Project Overview

The Franklin Apartments solar initiative is a 500 kW DC carport installation in Hamden, Connecticut (with a matching sister system for a 1.0 MW DC total across North & South). Designed and built by Pure Point Energy with Boviet Solar top-performing modules, the fully grid-tied carports deliver clean electricity to the multifamily community while adding the everyday benefit of shaded parking.

Economically, the system generates ~0.70 GWh (~700,000 kWh) annually, lowering operating expenses, dampening demand charges, and providing inflation-resistant energy pricing that supports stable budgeting. Socially, the project demonstrates sustainability leadership in multifamily housing, supports local clean-energy jobs, and enhances resident experience with shaded, safer, better-lit parking. Environmentally, annual production avoids about 280 metric tons of CO₂ (~61 cars off the road or ~4,670 trees planted), saves ~26.8 million gallons of water, and displaces ~285 short tons of coal, all with zero operational emissions and improved local air quality. *Portfolio note:* Combined North + South (1.0 MW DC) deliver ~1.40 GWh/year, avoiding ~560 t CO₂, saving ~53.6 million gallons of water, and displacing ~570 short tons of coal annually.

Economic Benefits

The carport system produces ~0.70 GWh (~700,000 kWh) per year, directly offsetting common-area and house loads, garage and site lighting, elevator/common HVAC, security, office/amenity spaces, and EV charging. This on-site generation cuts monthly utility spending, reduces exposure to time-of-use peaks and demand charges, and locks in predictable, inflation-resistant energy costs that strengthen long-term property budgeting. Construction and commissioning created local clean-energy jobs (installers, electricians, engineers, and site trades), and ongoing O&M sustains technician and monitoring roles. With periodic inspections, inverter checks, and occasional module cleaning, backed by long product warranties, lifecycle costs remain low and predictable, while the solar amenity enhances property value and lease-up appeal.

Social Benefits

The project visibly aligns Franklin Communities with sustainable, resident-centric operations. Carport canopies deliver everyday comfort and safety (shade, reduced heat for vehicles, improved nighttime lighting), while the system can double as an educational touchpoint via a lobby or web dashboard. The installation provides a replicable model for other multifamily owners in the Northeast seeking cost control, resilience, and ESG progress.

Environmental Benefits (Estimated)

By generating ~700,000 kWh annually, the Franklin Apartments system avoids about 280 metric tons of CO₂ per year, equivalent to removing ~61 gasoline cars from the road or planting ~4,670 trees annually. It also saves ~26.8 million gallons of water associated with conventional power generation and avoids ~285 short tons of coal burned each year. On-site production reduces transmission losses and improves neighborhood air quality (lower NO_x, SO₂, particulates).

BOVIET SOLAR

Boviet Solar Technology Co., Ltd. is a leading solar technology company founded in 2013 in Vietnam, specializing in the manufacturing of high-performance monocrystalline PV cells and premium Gamma Series™ monofacial and Vega Series™ bifacial PV modules. Our top-performing modules are engineered for a wide range of applications, including residential, commercial, industrial, community, and utility-scale solar projects.

Boviet Solar combines business acumen, financial strength, technological expertise, and manufacturing excellence to deliver reliable, high-efficiency solar solutions to industry clients worldwide. The company is deeply committed to sustainability, supply chain traceability, and compliance with international trade standards, while fostering long-term, trust-based partnerships across the global energy sector. Boviet Solar has earned industry-wide recognition for quality and reliability. The company has maintained a Tier 1 PV Module Manufacturer ranking by Bloomberg New Energy Finance (BNEF) since 2017, has been recognized as one of the Top 10 Most Bankable Global PV Module Manufacturers by Wood Mackenzie, and is ranked among the Top 10 Most Financially Reliable PV Module Manufacturers by Sinovoltaics. Boviet Solar's modules have also been consistently rated as Top Performers in Kiwa PVEL's PV Module Reliability Scorecard since 2019.

Headquartered in Vietnam, Boviet Solar operates manufacturing facilities in both Vietnam and the United States, with an annual production capacity of 3.0 GW for PV cells and modules. The company also maintains regional operations in the United States, Germany, and other key international markets. To learn more, visit www.bovietsolar.com.