



FRANKLIN COMMUNITIES

Project Highlights

- **Project Name:** Franklin Apartments
- **Project Type:** Residential Solar | Carport Solar
- **Project Location:** Hamden, Connecticut, USA
- **Project Size:** 500Kw 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, an Inox Solar Americas company, is a solar energy technology and manufacturing company focused on delivering high-performance photovoltaic (PV) modules for the U.S. market. Its portfolio includes Gamma Series™ monofacial and Vega Series™ bifacial PV modules, designed for utility-scale, community solar, commercial, and industrial (C&I), and residential applications, with a focus on reliability, efficiency, and long-term performance.

The company operates a state-of-the-art manufacturing facility in Greenville, North Carolina, with approximately 3.0 GW of annual production capacity. This U.S.-based production supports localized supply, efficient logistics, and alignment with project timelines and market requirements.

As part of Inox Solar Americas, Boviet Solar benefits from enhanced financial backing and integration within a broader renewable energy platform under Inox Clean Energy and the INOXGFL Group. This strengthens its ability to support compliant, financeable, and scalable solar projects while maintaining consistent execution and product performance.

Boviet Solar works closely with developers, EPCs, and asset owners to deliver projects on time and support long-term performance. The company remains committed to advancing clean energy by providing dependable solutions that enable customers to build and operate projects with confidence.

To learn more, please visit www.bovietsolar.com, www.inoxclean.com, www.inoxgfl.com