PUTMAN WAREHOUSE

Project Highlights

- Project Name: Putman Warehouse
- Project Type: Commercial solar I Rooftop System
- Project Location: Richmond, California
- Project Size: 246Kw DC
- Project Completion Date: April 2021
- PV Module Supplier: Boviet Solar
- Project Installer: Centrica Business Solutions
- Project Owner: Putman Warehouse
- Project Grid Connection: Grid-tied system

Project Overview

The Putman Warehouse solar project is a 246 kW DC rooftop installation in Richmond, California, developed and installed by Centrica Business Solutions and powered by Boviet Solar's top-performing PV modules. Fully grid-tied, the system supplies clean, renewable electricity to warehouse operations, reducing reliance on purchased grid power, hedging against utility price volatility, and improving long-term operational resilience.

Economically, the system generates ~345,000 kWh annually, offsetting electricity demand for HVAC, refrigeration, lighting, and material-handling equipment, lowering operating costs and providing inflation-resistant energy pricing. Socially, the project reflects leadership in sustainable business operations, supports local clean-energy jobs, and enhances corporate reputation with tenants, employees, and customers. Environmentally, the project avoids about 104 metric tons of CO_2 emissions per year—equivalent to removing roughly 23 cars from the road or planting around 4,950 trees. It also saves approximately 41,000 gallons of water that would otherwise be used in fossil-fuel electricity production and displaces about 140 short tons of coal annually.

Economic Benefits

The system produces ~345,000 kWh of clean electricity annually, directly offsetting warehouse energy demand for HVAC, refrigeration units, lighting, and IT/equipment loads. This renewable generation reduces monthly electricity costs, strengthens budget predictability, and shields operations from rising utility rates. With long product warranties and modest O&M requirements (periodic inspections, inverter checks, and occasional module cleaning), lifecycle costs remain low and predictable. The project also enhances property value and positions the warehouse as a more attractive facility for current and future tenants.

Social Benefits

The Putman Warehouse solar project demonstrates corporate leadership in sustainability while supporting clean-energy job creation during construction and ongoing service. The visible investment in renewable energy reinforces the company's reputation as an environmentally responsible business partner and can improve stakeholder trust with employees, customers, and the community. By serving as a replicable model for other warehouse operators, the project demonstrates how industrial and commercial facilities can cut costs, improve resilience, and contribute to broader sustainability goals.

Environmental Benefits (Estimated)

By generating approximately 345,000 kWh annually, the Putman Warehouse solar system avoids about 104 metric tons of CO_2 per year—equivalent to removing roughly 23 gasoline-powered cars from the road or planting around 4,950 trees. The project also saves approximately 41,000 gallons of water that would otherwise be used in fossil-fuel power generation and displaces about 140 short tons of coal annually. With zero emissions during operation and on-site generation that reduces transmission losses, the system helps improve local air quality, lower the facility's carbon footprint, and advance California's clean-energy and climate goals.

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.