



## SONY CORPORATION

### Project Highlights

- **Project Name:** Sony solar system
- **Project Type:** Commercial solar | Carport System
- **Project Location:** San Mateo, California, USA
- **Project Size:** 376 kW DC
- **Project Completion Date:** December 2024
- **PV Module Supplier:** Boviet Solar
- **Project Installer:** Martin Morehouse, Sun Light & Power
- **Project Owner:** Sony Corporation

## Project Overview

The Sony Solar Carport Project is a 376 kW DC grid-tied installation in San Mateo, California, developed by Martin Morehouse of Sun Light & Power and powered by Boviet Solar's top-performing PV modules. The array delivers clean, renewable electricity to the campus, significantly reducing reliance on grid power while providing long-term energy savings.

Economically, the system generates ~0.63 GWh/year (~626,000 kWh), lowering operating expenses, hedging against utility-rate volatility, and strengthening budget predictability. Socially, it supports local clean-energy jobs, showcases leadership in sustainable facility management, and offers a replicable model for similar corporate sites. Environmentally, the system avoids ~247 tCO<sub>2</sub> annually, equivalent to removing ~54 cars from the road or planting ~4,100 trees, while saving ~82,600 gallons of water and displacing ~254 short tons of coal each year; with zero-emission operation, it improves local air quality and supports California's climate goals.

## Economic Benefits

On-site PV generation offsets electricity for offices, labs/IT loads, lighting/HVAC, and EV charging. Midday output aligns with common TOU peaks, trimming demand charges and hedging against future rate volatility. Predictable, inflation-resistant energy improves budget certainty and supports long-term capital planning and sustainability targets. The project also creates local jobs across design, permitting, and construction (engineers, project managers, electricians, installers) and sustains ongoing O&M roles for monitoring, maintenance, and cleaning—supporting the regional clean-energy economy.

## Social Benefits

The visible carport installation showcases Sony's corporate commitment to clean energy and climate action. Shaded parking improves comfort and safety for employees and visitors, while optional signage or dashboards can turn real-time production into an engagement and education touchpoint. Local design, construction, and ongoing O&M sustain skilled clean-energy jobs in the Bay Area.

## Environmental Benefits (Estimated)

Annual production of ~0.63 GWh is expected to avoid ~247 metric tons of CO<sub>2</sub>, equal to removing ~54 gasoline cars from the road or ~4,100 trees' annual CO<sub>2</sub> uptake. The system also saves ~82,600 gallons of water versus thermoelectric generation and displaces ~254 short tons of coal each year. Generating power on site reduces transmission losses and local pollutants (NO<sub>x</sub>, SO<sub>2</sub>, particulates), supporting cleaner air for the surrounding community.

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## 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](http://www.bovietsolar.com).