



KENT STATE UNIVERSITY – MAIN CAMPUS SOLAR + BESS

Project Highlights

- **Project Name:** Kent State University – Main Campus Solar + Battery Energy Storage
- **Project Type:** University Campus Solar i Ground Mount System
- **Project Location:** Kent, Portage County, Ohio, USA
- **Project Size:** 5.0 MW AC | 7.2 MW DC- 2 sites
- **Project Operation Date:** November 2024
- **PV Module Supplier:** Bovie Solar
- **Project Developer / Owner / Operator:** OnSite Partners
- **Project EPC:** Melink Solar

Project Overview

Kent State University , Main Campus Solar + BESS is a 7.2 MWdc (~5.0 MWac, est.) ground-mounted solar project in Kent, Ohio, developed/owned/operated by OnSite Partners under a 30-year PPA with Boviet Solar's top-performing PV Modules , engineered and constructed by Melink Solar, and commissioned at the end of 2024. The system spans two sites on campus with Terrasmart fixed-tilt racking and includes a 1.54 MW / 1.725 MWh battery energy storage system interconnected behind the Ohio Edison meter.

The project delivers many economic, social, and environmental benefits. It produces ~8,500 MWh of clean electricity per year, about 10% of the Kent Campus' annual use and ~875 Ohio homes worth of consumption, while improving grid stability through the BESS. Economically, the third-party PPA structure minimizes university capital outlay and leverages the BESS for ancillary-service revenues. Socially, it serves as a visible sustainability asset across 23+ acres of campus. Environmentally (Estimated), ~8,500 MWh/year avoids ~3,740 metric tons of CO₂, saves ~5.9 million liters of water, and eliminates ~3,950 short tons of coal annually, equivalent to removing ~810 cars from the road or planting ~61,000 trees each year.

Economic Benefits

By generating ~8,500 MWh/year of on-site electricity, about 10% of campus demand, the project reduces operating expenses and hedges exposure to future utility-rate volatility under a 30-year PPA. The BESS enables additional value streams (e.g., fast frequency response / Regulation D) identified by the university, further improving project economics. The build created local construction and electrical jobs during site prep, racking, DC/AC installation, and commissioning, and it supports ongoing technician and grounds/O&M roles across the system's life.

Social Benefits

As a highly visible, two-site campus installation, the project enhances energy literacy and supports university sustainability goals, demonstrating a scalable, public-sector pathway to decarbonization without diverting capital from academics and student services. It also reduces stress on the Ohio Edison / PJM grid by serving campus load behind the meter and using storage to support local power quality.

Environmental Benefits (Estimated)

Generating ~8,500 MWh annually, the Kent State Main Campus system avoids ~3,740 tCO₂e, saves ~5.9 million liters of freshwater, and eliminates ~3,950 short tons of coal each year, equivalent to removing ~810 cars from the road or planting ~61,000 trees (seedlings grown for 10 years).

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.