



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 System | Ground Mount
- **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:** Boviet 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, 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