

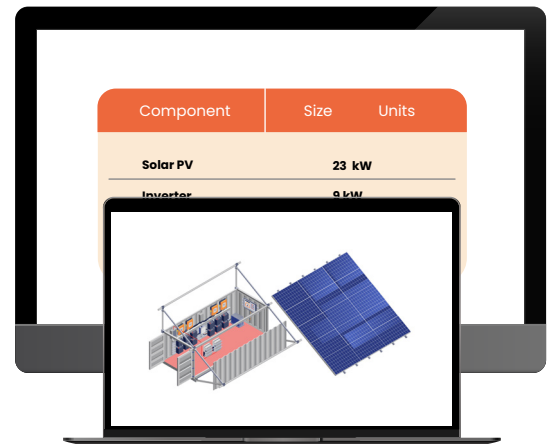
Energy Audit and System Integration (EASI) Software

Microgrid Sizing and Optimization, Simplified

BoxPower's Energy Audit and System Integration (EASI) software is a cloud-based tool to simplify the microgrid design process. EASI quickly aggregates energy consumption patterns and predictions to optimize a microgrid system that meets the client's end goals: reduced carbon emissions, resilience, and/or cost savings.

Microgrid System Design

EASI forms the core of BoxPower's energy audit process, which helps organizations explore renewable microgrid solutions to suit their energy needs. The software performs a techno-economic optimization based on the project priorities to recommend the least cost, highest value microgrid system.



Benefits of an Energy Audit with EASI

- **Simple.** EASI distills the complicated process of energy auditing to a few simple steps
- **Tailored.** Microgrid designs are optimized to meet your priorities: cost, renewable fraction, and/or reliability
- **Intelligent.** EASI combines your load profile with site-specific weather data to design an accurately sized system
- **Convenient.** See and share results quickly and easily with automated reports
- **Valuable insights.** In-depth financial analysis, budget breakdown, and carbon emissions estimates
- **Detailed.** Review technical specifications for the recommended system and components

Key Features of EASI



Load Profile Generator

EASI enables you to create custom energy load profile – with or without any data from your utility.

- Appliance level data aggregation in a way that captures the user's consumption patterns
- Seasonal variations in appliance usage
- Current utility bill review (if applicable)
- Assessment of current generator usage (if applicable)



Energy System Optimizer

EASI will recommend a microgrid that precisely matches your energy demand and project priorities. The software allows you to rank the following project goals:

- Minimize Lifetime Operational Expenditure
- Increase Reliability and Resilience
- Curtail Greenhouse Gas Emissions
- Minimize Capital Expenditure

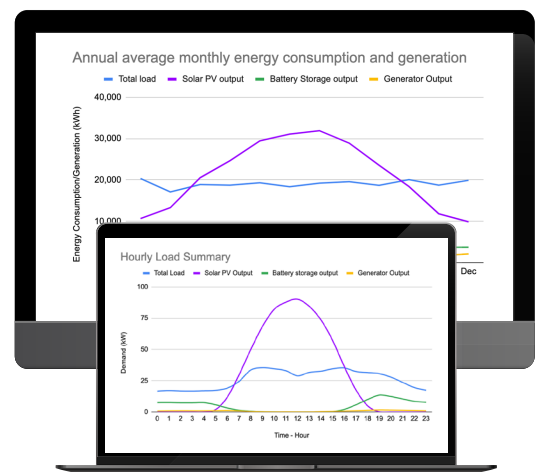


Financial Savings Analyzer

Get a clear view of the estimated CapEx and OpEx costs to determine your potential savings and ROI.

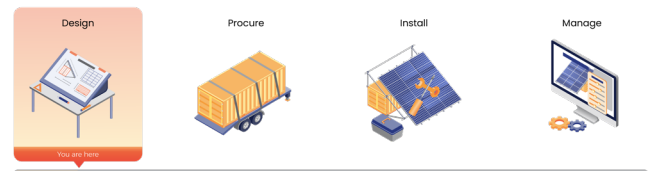
- Review of capital cost and annual operating expenses
- Analysis of cost savings compared to status quo scenarios
- Net present cost comparisons
- Payback period comparisons


Optimization Results and System Performance



Step One of Your Turnkey Microgrid Solution

From energy audit through operation, BoxPower provides a seamless end-to-end solution for hybrid microgrid projects. Talk with a BoxPower representative to get started.



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