OutBack POWER™
an EnerSys company

# Lite Solar

## SOLAR + STORAGE CASE STUDY

| SYSTEM SPECIFICATIONS | |
|---|---|
| **Location** | Laurel Ridge Winery, Oregon |
| **System Power** | 30kW grid/hybrid system |
| **Components** | • Radian inverter/charger<br>• Backup battery bank |

## OVERVIEW

**As a developer of commercial and industrial solar energy systems, the California-based Lite Solar Corporation, engineers, manufactures, installs, manages and maintains customized, zero-cost backup power systems for a diverse range of customers.** Through a Power Purchase Agreement (PPA), Lite Solar customers—wineries, farms, hotels, colleges, retail stores and coffee shops—pay a discounted monthly charge for the electricity consumed. When Lite Solar decided to add battery backup systems to all customer installations, the question was how to do so without increasing costs or hassle for customers. For the Laurel Ridge Winery in Oregon, Lite Solar needed to install a solar system with battery backup not only to combat power reliability issues in wintertime, but also to offset the energy costs associated with wine-making.

## CHALLENGE

- Offset energy use and provide backup power via grid-interactive (grid-tied and battery-based off-grid) solar solutions to ensure continuous, reliable winery operations
- Help customers produce energy and cut costs without additional headaches
- Enhance the winery's reputation through more environmentally-friendly operations

## SOLUTION

- Lite Solar designed a solar energy-powered backup system that is grid-interactive with battery bank
- Inverter/charger and battery bank provide backup power in the event of a utility grid outage or disruption
- Lite Solar's system provides continuous operation, even in winter weather, while reducing Laurel's carbon footprint and offsetting the energy-intensive wine-making process

## OUTCOME

- Reduces the winery's environmental impact and increases customer awareness for greener operations
- Provides the winery with savings on electricity bills by supplementing grid power with solar energy
- Allows continuous winery operation, regardless of weather conditions, through battery backup

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