

OFF-GRID MICROGRID

Solar + battery microgrid replaces diesel at the Loisaba wildlife conservancy



Laikipia, Kenya

Two 106 kWh off-grid solar-plus-storage microgrids power world-class ecotourism destination



**PROJECT
HIGHLIGHTS**

- + System powers commercial laundry, swimming pool, kitchen, business services, lighting, cooling, and other facility loads.
- + Loisaba expects to reduce diesel consumption by 95% and save 53 tons of CO₂ per year.

SYSTEM OVERVIEW

Two independent systems each consisting of:

Batteries

Aquion Energy S-Line Stacks
106 kWh, 48V

Solar Array

37 kW

Solar Inverter

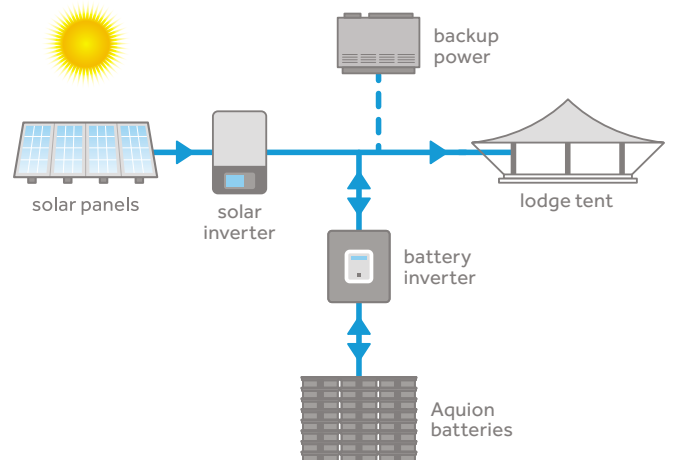
SMA Sunny Boy

Battery Inverter

SMA Sunny Island

Backup Power

Diesel generator



Learn more at aquionenergy.com