



SYSTEM

- 16x AES 42-48-6650 (106 kWh)
- 3x Schneider XW+ Inverter Charger, PDP, SCP Gateway, Insight cloud monitoring service
- 1x 46 kW diesel generator

APPLICATION

Diesel abatement - remote island lodge

REQUIREMENT

Reduce diesel consumption, power for lodge and dock, remotely monitor battery status during off-season



**DYNAMIC
PERFORMANCE**



**FAST
CHARGING**



**SURGE
POWER**



**PARALLEL
POWER**

OVERVIEW

Discover AES LiFePO₄ 42-48-6650

Talon Lodge in Sitka Sound Alaska wanted to reduce their annual diesel generator fuel bill for their remote island lodge without the expense of going to a full off-grid solar system. By reconfiguring the existing generator system to charge sixteen AES batteries using three XW+ inverter chargers they were able to accomplish that. Taking advantage of SURGE POWER, FAST CHARGING, and PARALLEL POWER, Talon lodge now only needs to run their generator at full power for a short time to fully charge up. The XW+ inverters then periodically draw small amounts of stored energy from the AES batteries to power loads on demand. Overall diesel fuel consumption is substantially reduced. AES LiFePO₄ battery data integrates directly with XanBus, enabling batteries to be remotely monitored along with the inverters utilizing Schneider's cloud monitoring service Insight.