



Battery / DC Bus Objectives

Communicate with battery stack to read SoC, charging and discharging current to:

- Offset Building Loads to net zero demand while battery SoC > 30%
- Shut off Sierra power to loads if no Grid and batteries are at a DoD of <=20%
- Export excess power to utility feed up to 18kW (net metering) while battery SoC > 30%
- Provide Grid charging current to battery stack if SoC becomes <=20%. Continue until SoC >=80%.