



Field Technician Grounding Safety

This checklist ensures proper grounding and bonding inspections are performed to protect personnel and equipment at BESS facilities. Complete all items during site visits to verify grounding integrity and electrical safety compliance.

Safety Purpose:

Grounding inspections protect both personnel and physical equipment from electrical hazards. Proper grounding provides a safe path for fault currents and prevents dangerous voltage differentials.

Before Entering the Site

- Perform daily gate ground checks
- Visually inspect grounding straps and connections at the gate
- If grounds are missing, contact the utility immediately before entering the site
- Confirm grounding continuity using appropriate test equipment if required

After Entering the Site

- Inspect fence and equipment grounds for any loose or broken connections
- Perform a tug test on grounding cables and straps
- Check for torque marks on nuts and bolts to verify proper installation
- Look for oxidation or corrosion on grounding points and bonding connections
- Document any deficiencies and report them to the site supervisor

During Monthly O&M; (Operations & Maintenance)

- Recheck all grounding connections for integrity and tightness
- Inspect for signs of wear, corrosion, or environmental damage
- Verify that all grounding paths are intact and compliant with site standards
- Ensure grounding continuity across all major components (BESS, PCS, EMS, etc.)
- Record inspection results and corrective actions in the maintenance log