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# EV Charging Station Electrical Connections Inspection Checklist

Interactive checklist for inspecting EV charging station electrical connections. Tick, comment, export as PDF/Excel for comprehensive reporting.

Project:

Date:

Filled by:

## Pre-Inspection Preparation

1	Ensure all safety gear is worn and necessary tools are ready.
2	Verify that the charging station is powered down before starting.

## Visual Inspection

3	Check all cable connections for visible damage or wear.
4	Inspect connectors for any signs of corrosion.
5	Ensure that all terminal screws are tight and secure.

## Thermal Imaging

6	Use a thermal camera to check for hot spots on connections.
7	Identify any unusual heat patterns that may indicate poor connections.

## Electrical Testing

8	Measure voltage across all connections to ensure proper levels.
9	Test for continuity to ensure there are no breaks in the circuit.
10	Verify that insulation resistance is within acceptable limits.

## Post-Inspection Tasks

11	Document all findings and note any actions taken.
12	Ensure all tools are accounted for and safely stored.
13	Power up the charging station and test for proper operation.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspecting the electrical connections of an EV charging station is critical for ensuring safety, reliability, and efficiency. This process involves a thorough examination of all electrical components, including connectors, cables, and terminals, to verify their integrity and proper function. It is important to identify any signs of wear, corrosion, or damage that could lead to failures or hazards. This checklist offers a comprehensive guide to performing these inspections systematically, with features allowing you to tick items, leave comments, and export your completed report, complete with a QR code for authenticity.	1. Gather necessary tools such as multimeter, thermal camera, safety gloves, and protective eyewear. 2. Click the “Use this checklist” button to start the interactive checklist. 3. Tick each item online as you complete it to ensure no step is missed. 4. Add comments on individual items to note observations or actions taken. 5. Share or download your completed checklist as PDF or Excel for record-keeping and stakeholder review.