



# Automotive Electric Vehicle (EV) Charging Station Maintenance Checklist

## Visual Inspection

Check for physical damage, corrosion, or loose connections.

### Station ID

Write something...

### Ambient Temperature (°C)

Enter a number...

### Overall Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor


### Describe Any Visible Damage

Write something...

### Evidence of Vandalism?

- ☐ Yes
- ☐ No

### Upload Photo of Station

 Upload File

## Cable and Connector Assessment

Inspect the charging cable for cracks, fraying, or damage. Examine the connector pins for corrosion or bending.

### Cable Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### Connector Pins Condition

- ☐ Clean
- ☐ Slight Corrosion
- ☐ Moderate Corrosion
- ☐ Significant Corrosion

### Cable Fraying Length (mm)

Enter a number...

### Connector Pin Bending (mm)

Enter a number...

### Additional Notes

Write something...

### Photos of Damage

 Upload File

## Display and Interface Functionality

Verify that the display is readable and functioning correctly. Check for any error messages.

### Display Readability (Brightness, Contrast)

Write something...

### Error Messages Displayed?

☐ Yes

☐ No

### Description of any displayed error messages

Write something...

### Brightness Level (if adjustable)

Enter a number...

### User Interface Responsiveness

☐ Very Responsive

☐ Responsive

☐ Slightly Lagging

☐ Lagging

### Last Firmware Update Date

Enter date...

## Charging Port Integrity

Ensure the charging port is clean and free from debris. Inspect for any signs of damage or wear.

### Describe any visible damage to the charging port (scratches, cracks, etc.)

Write something...

### Connector Pin Corrosion Level (0-5, 0=None, 5=Severe)

Enter a number...

### Connector Type

- ☐ Type 1 (CHAdeMO)
- ☐ Type 1 (J1772)
- ☐ Type 2 (Mennekes)
- ☐ CCS Combo 1
- ☐ CCS Combo 2
- ☐ Tesla Proprietary

### Connector Pin Resistance (Ohms)

Enter a number...

### Record any unusual sounds or smells detected at the charging port.

Write something...

### Connector Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

## Safety Features Verification

Test the emergency stop button and other safety features to ensure they are operational.

### Technician Signature (Emergency Stop Test)

### Emergency Stop Activation Time (seconds)

### Emergency Stop Button Status

- ☐ Functional
- ☐ Needs Repair

### Emergency Stop Button Press Count (for functionality test)

### Power Interlock Functionality Check

- ☐ Pass
- ☐ Fail

## Software and Firmware Updates

Check for and install any available software or firmware updates.

### Last Update Date

### Current Firmware Version

### Update Method

- ☐ Automatic
- ☐ Manual
- ☐ Network Push

### Update Notes

Write something...

### Success Status

- ☐ Successful
- ☐ Partial Success
- ☐ Failed

## Power Supply and Connections

Inspect power supply connections for tightness and corrosion; verify voltage and amperage readings.

### Input Voltage (V)

Enter a number...

### Output Voltage (V)

Enter a number...

### Input Current (A)

Enter a number...

### Output Current (A)

Enter a number...

### Connection Type

- ☐ Hardwired
- ☐ Plug-in

### Connection Status

- ☐ Secure
- ☐ Loose
- ☐ Corroded

### Notes on Connection Integrity

Write something...

## Environmental Factors

Check for signs of weather damage (sun, rain, snow, ice) and ensure proper drainage.

### Ambient Temperature (°C)

Enter a number...



### Relative Humidity (%)

Enter a number...

### Exposure to Direct Sunlight

- ☐ No
- ☐ Minimal
- ☐ Moderate
- ☐ Significant

### Evidence of Precipitation/Moisture

- ☐ No
- ☐ Minor
- ☐ Moderate
- ☐ Significant

### Last Snow/Ice Event

Enter date...

## Reporting & Documentation

Record inspection results, maintenance performed, and any issues identified for future reference.

### Inspection Date

Enter date...

Inspection Time

Enter time...

Temperature (°C)

Enter a number...

Detailed Observations/Notes

Write something...

Overall Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

Inspector Signature

Supporting Photos (Optional)

 Upload File