



EV Charging Point Maintenance Checklist

10 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect charging connectors, cables, and holsters for damage and wear
- ☐ Inspect enclosure, mounting, and weatherproofing (outdoor units)
- ☐ Confirm signage, accessibility, and bay markings are correct

Functional Checks

- ☐ Check the unit powers up, communicates, and completes a charge cycle
- ☐ Confirm load management / dynamic load balancing operates correctly
- ☐ Check software, firmware, and back-office/payment connectivity
- ☐ Verify isolation, supply protective devices, and cabling

Safety Checks

- ☐ Test RCD / RDC-DD and earth-fault protection operate correctly
- ☐ Verify the earthing arrangement and any PEN-fault protection (open-PEN)

Record Keeping

- ☐ Record test results, faults, and availability in the log

Maintenance Frequency

Quarterly

- Visual inspection of connectors and cables
- Confirm units operational
- Check software/payment connectivity

Annually

- RCD/earth-fault and protection testing
- Full electrical inspection
- Firmware and load-management check
- Enclosure and signage inspection