



InService™ exclusively from InCharge Energy

How to Extend the Life of Commercial EV Chargers: Proactive Maintenance + Smart Management

As commercial electric vehicle (EV) charging expands across North America, understanding how to maintain your infrastructure is essential. With the EV charging infrastructure market projected to reach **\$224.8 billion globally by 2032**, and **63% of that driven by commercial applications** ([source](#)), it's more important than ever to optimize the performance and reliability of your EV chargers. EV charger owner-operators simply cannot afford to have issues with their EV chargers – EVs need to be charged and ready on a daily or regular basis.

This guide outlines five proven practices to help you keep your charging assets running efficiently, reduce downtime, and make smarter long-term operational decisions.

5 Key Practices for Improving Commercial EV Charger Longevity

1. Monitor Charger Health and Performance in Real Time

Charger management platforms like [InControl™](#) allow you to track charger uptime, usage, and fault notifications remotely. Monitoring helps identify minor issues early—before they escalate into service disruptions—and makes it easier to stay organized with open service requests and status updates – particularly for operators with multiple charging locations or when you aren't going to be onsite on a daily basis.

2. Establish a Preventative Maintenance Schedule

Regular maintenance—typically once or twice per year—helps extend charger life and reduce emergency repairs. These inspections often include testing, cleaning, hardware checks, and firmware updates. Having a certified technician inspect your commercial charging equipment in person ensures that small wear-and-tear issues don't go unnoticed.

3. Use Remote Troubleshooting to Reduce Downtime

Many charger issues can be resolved without dispatching a technician. Management platforms that enable remote diagnostics and resets—like InControl—can address up to 75% of common faults, saving time and money while improving uptime.



4. Keep Firmware and Security Software Updated

Staying current with manufacturer software revisions is critical. These updates often improve performance, add compatibility with newer EVs, and strengthen cybersecurity. Stay on top of the latest software to ensure your fleet stays protected and your chargers are always up to date.

5. Review Charger Usage Data to Guide Maintenance and Growth

Monitoring data on session frequency, peak load times, and utilization rates allows you to adjust maintenance plans to match demand, energy availability, and charging costs. It can also inform decisions about expanding your charging network, integrating energy solutions such as solar or microgrids, improving station placement, and managing electrical load effectively.

Building a Reliable Maintenance Strategy

The most effective way to apply these practices is to build a structured maintenance strategy supported by qualified technicians and dependable tools. Whether you're starting with **OnDemand service** or looking to implement a **recurring maintenance schedule**, having expert support ensures your team can focus on operations while your chargers stay online and efficient – keeping your EVs “fueled” up and at the ready.


InService™ from InCharge offers both ongoing and customized service plans as well as 24/7 customer support at 833-772-4638 for unexpected issues. Either way, InService ensures you have access to expert technicians across North America to service any make or model of EV charger at your location.


Next Steps

If you're managing commercial EV chargers, solar, microgrid, or battery energy storage systems (BESS), it's worth having a support plan in place, for predictable costs, optimized charger lifespan, and operational peace of mind. Whether you're working with one brand or multiple, keeping equipment maintained will reduce total cost of ownership and improve customer experience.

To learn more or speak with an InCharge expert, reach out today.

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