



ADLER EV CMS SOFTWARE

EV CHARGING MANAGEMENT SYSTEMS



Intelligent Charging Management System for EV Infrastructure

OVERVIEW

ADLER EV CMS is a comprehensive, cloud-based platform designed to streamline the operation, monitoring, and management of electric vehicle charging infrastructure. Whether you're operating a single charging station or managing a nationwide network, our CMS provides the tools, insights, and automation needed to maximize uptime, optimize revenue, and scale your EV charging business effortlessly.



KEY FUNCTIONALITIES

Real-Time Monitoring & Control - Monitor all charging stations from a single dashboard. Track sessions, power consumption, and station status instantly. Remotely start, stop, or reset charging sessions with one click.

Dynamic Pricing & Billing - Configure flexible pricing models including time-based, energy-based, or subscription billing. Automated invoicing with integrated payment gateway ensures seamless revenue collection.

Advanced Analytics & Reporting - Gain actionable insights on energy consumption, revenue generation, user patterns, and station performance. Generate custom reports and make data-driven decisions.

RFID & Mobile App Integration - Enable authentication through RFID cards or mobile app. Users can locate chargers, check availability, start/stop sessions, and make payments via smartphone.

Remote Diagnostics & Maintenance - Receive instant notifications for faults or performance issues. Predictive maintenance alerts minimize downtime and operational disruptions.

OCPP Compliance - Fully compliant with OCPP 1.6 and OCPP 2.0.1 protocols, ensuring seamless integration with any OCPP-compatible charger without vendor lock-in.

Smart Load Management - Optimize energy distribution across multiple charging points. Prevent grid overloads and integrate with renewable energy sources.

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CORE MODULES

- 1. Operator Dashboard** - Centralized control for network oversight, station management, user administration, and real-time analytics.
- 2. Mobile Application** - Feature-rich iOS & Android app for users to discover stations, reserve slots, initiate charging, and complete payments.
- 3. Billing & Payment Engine** - Automated billing with support for UPI, cards, wallets, and net banking. Generate invoices and maintain transaction records.
- 4. Station Management** - Add, configure, and manage charging stations remotely. Monitor hardware status and perform firmware updates.
- 5. Analytics & Reporting** - Customizable dashboards with trend analysis, revenue forecasts, and exportable reports.
- 6. API Integration** - RESTful APIs for third-party integrations including payment gateways, fleet management, and ERP systems.



KEY BENEFITS

- ✓ Scalability - From single charger to thousands of stations
- ✓ Revenue Optimization - Dynamic pricing and automated billing
- ✓ Operational Efficiency - Remote management and predictive maintenance
- ✓ Enhanced User Experience - Mobile convenience and seamless payments
- ✓ Data-Driven Insights - Comprehensive analytics and reporting
- ✓ Future-Ready - OCPP-compliant, cloud-based architecture
- ✓ 24/7 Uptime - 99.9% uptime guarantee with robust security
- ✓ Cost Savings - Energy optimization and remote troubleshooting

WHO CAN BENEFIT?

- Charge Point Operators (CPOs) managing public networks
- Fleet Operators monitoring dedicated charging infrastructure
- Businesses & Corporates providing employee/customer charging
- Residential Complexes offering managed charging solutions
- Government Bodies deploying public EV infrastructure
- Hospitality & Retail adding value-added services



CERTIFICATIONS & RECOGNITION

ADLER EV is proud to be

Startup India Recognized - Certified by the Government of India's Startup India initiative

Uttar Pradesh Startup Recognized - Official recognition under the UP Startup Policy

Associate with Government-Recognized Innovation Programs

Our certifications reflect our commitment to quality, innovation, and sustainable electric mobility solutions for India.

For Investment & Business Enquiries: +91-9971170911



Adler Ev Chargers Pvt. Ltd.

📍 Reliable City Centre, Office GF-4, Vasundhara,
Sector-6, Ghaziabad- UP- 201012
✉ E Mail : Info@adlergroup.in

🌐 Website : www.adlerev.com
📞 Contact : +91 99107 33911 , +91 98113 48789
+91 93196 90231, +919971170911