

Career Pathway Spotlight

Discover a Career as an EV Charging Station Technician



Discover your career in energy!

EV Charging Station Technicians keep public, fleet, and commercial charging sites running — diagnosing problems, swapping components, pushing software updates, and supporting customers across the country’s growing EV charging network.

Renewable Energy Site Development

Across highway corridors, retail parking lots, and convenience stops, EV Charging Station Technicians service the public fast-charging stations that drivers rely on. They run preventive maintenance, swap failed components, and reset chargers to keep public sites available and ready.

Power Infrastructure Construction

At depots, warehouses, workplaces, and apartment complexes, technicians maintain the chargers that keep commercial and delivery fleets rolling. They monitor uptime, troubleshoot issues quickly, and work with site managers to optimize charging schedules for full daily vehicle availability.

Environmental Remediation & Reclamation

Behind every charger is a network platform, payment system, and power management layer. Technicians troubleshoot connectivity issues, configure software settings, and integrate chargers with on-site battery storage and solar systems to balance loads and lower energy costs.

CAREER PATH

Start with:

- » A high school diploma or GED

Get Educated:

- » A community college or vocational program in industrial electronics or mechatronics
- » A manufacturer or field-service training pathway – Training from ChargePoint, Tesla, ABB, or other manufacturers
- » A military electronics, instrumentation, or vehicle maintenance pathway

Specialize With:

Knowledge in:

- » Fast-charging station maintenance
- » Charging network software and connected systems
- » Fleet and commercial operations
- » Battery storage and renewable energy integration
- » Public charging site operations and support

OCCUPATIONAL SKILLS

- » Strong technical curiosity and willingness to learn
- » Sharp attention to detail and safety focus
- » Clear written and verbal communication with customers
- » Strong problem-solving and methodical troubleshooting skills
- » Physical stamina for active, outdoor field work
- » Adaptability across sites, schedules, and weather conditions
- » Comfort with technology, mobile apps, and diagnostic software

BENEFITS

These energy industry careers offer:

- » Strong, growing demand as EV adoption accelerates
- » Competitive pay with travel and on-call premiums
- » Growth into senior tech and operations roles
- » Specialize in software, fleet, or BESS work
- » Hands-on work supporting cleaner transportation

What Might You Do As An EV Charging Station Technician?

ENTRY LEVEL

1-4 years

What you will do:

- » Performing routine maintenance and visual inspections on Level 2 and DC fast chargers
- » Cleaning connectors, screens, and cabinets to keep public stations customer-ready
- » Running diagnostic tools and reading error codes from charger displays and dashboards
- » Replacing failed cables, contactors, and other field-replaceable parts
- » Logging service tickets and updating site records in dispatch software
- » Following PPE, lockout/tagout, and arc-flash safety procedures on every visit

MID- CAREER

5-8 years

- » Independently diagnosing and repairing DC fast chargers across a service territory
- » Pushing firmware updates, network changes, and software configuration to stations
- » Using AI-assisted diagnostic platforms to predict failures and schedule maintenance
- » Supporting fleet customers with uptime targets and scheduled service windows
- » Integrating chargers with on-site battery storage and solar through commissioning
- » Training entry-level technicians and reviewing their daily service tickets

EXPERIENCED

8+ years

- » Leading service teams across multiple regional charging networks and fleet accounts
- » Estimating service contracts, scoping uptime guarantees, and managing service budgets
- » Driving safety, quality, and uptime programs across multiple states and sites
- » Adopting new technology like AI ops platforms, predictive analytics, and energy management software
- » Coordinating with utilities, network operators, regulators, and customers
- » Mentoring mid-career technicians and shaping training and certification pathways

What knowledge, skills and abilities will you need to succeed?

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| <ul style="list-style-type: none"> » Listen and follow directions from senior technicians and supervisors » Comfort lifting equipment, working outdoors, and driving between sites » Basic understanding of electrical concepts, electronics, and safety practices » Strong attention to detail when running diagnostics and writing reports » Eagerness to earn manufacturer and safety certifications | <ul style="list-style-type: none"> » Active manufacturer certifications for several major charger brands » Working knowledge of OCPP, payment networks, and charger software stacks » Fluency with diagnostic tools, mobile apps, and dispatch platforms » Clear communication with customers, network operators, and dispatch teams » Composure during high-volume service days and field emergencies » Familiarity with battery storage and renewable energy integration | <ul style="list-style-type: none"> » Deep expertise across charger hardware, software, and energy systems » Leadership and people-management skills for multi-state service teams » Strategic communication with executives, network operators, and customers » Strong financial judgment for service contracts and capital decisions » Mastery of change management as EV technology and policy evolve » Senior credentials such as PMP or industry programs |
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GET PAID!

Entry Level:

- » \$45,930 / year*

As You Gain Seniority:

- » \$70,000 / year*

Later in Your Career:

- » \$90,000 / year*

*Source: Zip Recruiter (May 2026). These figures are based on aggregate job posting data because the role is not included in the United States Energy & Employment Report and has no precise match in BLS OEWS. Compensation figures should be used as a guide; actual compensation may vary depending on education, geography, experience, and many other factors.



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