Trusted solutions
With an experienced partner

ABB is the global leader in EV Infrastructure with thousands of fast charging stations deployed around the world.

Our EV infrastructure mission is focused on long-term, future-proof reliability, advanced connectivity and a 24/7/365 network service operation.

Why choose ABB?
ABB is a global leader, engineering and building DC fast charging stations in diverse regions and markets, with local footprints in the United States and Canada. Our product development and experience with EV charging infrastructure goes back more than a decade. We have the largest fast charging installed base in the world with thousands high power systems deployed in more than 80 countries.

ABB’s EV charging technology and services are committed to future-proof strategies, including a focus on long-term reliability, a 24/7/365 direct service network, interoperability, best-in-class connected services – and a proactive product roadmap built around close relationships with automakers from around the world.

For more than 135 years, our company has led in engineering and technology from source to socket. We are recognized as one of the world’s most innovative companies in addressing many energy challenges of the future, including reliable power transmission, smart grids, distributed energy resources, renewable power generation, energy efficiency and sustainable transportation.
Fast charging technology

**Hardware portfolio**
- **Terra 54**
  - 50kW output power, 20-60 min charging
  - Dual outlet CCS, CHAdeMO
  - Supporting all DCFC BEVs
- **Terra 54HV**
  - For high voltage charging needs, up to 920V
- **Terra HP**
  - 150-350kW output power, 10 min charging
  - Expanded power and voltage for large battery vehicles and applications
  - Future-proof configurations designed for maximum customization and user experience
- **e-Bus, MD/HD charging**
  - Overnight and opportunity charging technologies
  - 50 to 600kW fast charging solutions

**Product roadmap**
- Expansion of power range and applications

**Optimal applications for fast charging solutions**
- Highway corridor locations
- Travel plaza, truckstops, convenience
- Municipal transit and commercial fleets
- Grocery, retail, mall, big box
- Auto dealerships
- Urban parking
- Educational and private campuses

**Back office enabled, OCPP 1.6, Autocharge**
- 24/7/365 Network
- Remote monitoring, diagnostics and upgrades
- Data, reporting and custom APIs

**Best in class connectivity**
- Flexible connected services supported by ABB software engineers
- Experience integrating many networks and back office systems
- Remote monitoring, diagnostics and software upgrades
- Flexible user access and payment options enabled (RFID, PIN codes, smart phone, credit cards and contactless payments)
- Compatible with OCPP 1.6, Autocharge and smart energy APIs
- Supporting full interoperability for optimal owner, operator and host choice

**Experienced, bankable partner**
- Thousands of DC fast chargers deployed in all regions, environments and sites
- Extensive OEM R&D relationships, performance validated at labs and test tracks around the world
- Fast delivery times for standard products
- 24/7/365 network with direct, domestic service team and experienced engineers
- Leading in advanced fleet charging with high power and high voltage technology
- Focused R&D centers for power electronics and grid interconnect technologies
- Company wide mandates for safety, sustainability and OpEx
- Fully committed to EV Industry with proactive product roadmap for the next generation of electric vehicles

**Leading with quality, service and trust**

**Product Quality**
- High quality enclosures and components, ADA compliance
- Designed for safest installation, fast maintenance and service
- Daytime readable and customizable touchscreen displays
- Modular power electronic architectures for greater redundancy and uptime
- Low noise well-designed cooling systems
- Strict Class B EMC certification with highest safety near medical devices such as pacemakers
- Third-party testing, verification and latest certifications

**Best in class connectivity**
- Flexible connected services supported by ABB software engineers
- Experience integrating many networks and back office systems
- Remote monitoring, diagnostics and software upgrades
- Flexible user access and payment options enabled (RFID, PIN codes, smart phone, credit cards and contactless payments)
- Compatible with OCPP 1.6, Autocharge and smart energy APIs
- Supporting full interoperability for optimal owner, operator and host choice
ABB has charging systems deployed all over the world in many applications serving varying user needs.

References include the first high power charging station installed in the Americas with Electrify America and EVgo; the first electric bus systems in many countries; and thousands of metro DC fast charging stations serving EVs in all corners of the world.