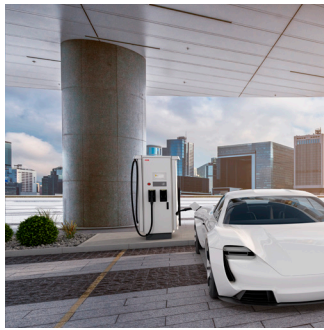


ABB EV charging infrastructure product offering for North America

ABB is the global leader in EV charging infrastructure with 20,000 fast charging stations installed across 85 countries. ABB offers future-proof reliability, advanced connectivity and best in class life cycle services. ABB EV charging products available in North America are certified to UL/CSA and meet the highest standards for safety, quality and interoperability.



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- 01 Terra DC Wallbox for "Destination DC" EV charging locations
- 02 Terra 54/94/124/184 DC fast charger for an "all in one" quick charging system.
- 03 Terra HP high power charging for highway corridor and fleet demands



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- 04 Terra HVC, tailored to the needs of fleet charging in an all in one footprint
- 05 HVC Depot Charging for truck, van and bus fleet charging across multiple charge points
- 06 HVC Overhead Pantograph charging for on-route bus charging in minutes.

ABB charging solutions cover a wide range of power and voltage, for passenger, fleet and transit vehicles

Product / Offering	Power range	Key applications	Benefits and features
Terra DC Wallbox 	20-24 kW	<ul style="list-style-type: none"> Office, workplace Commercial parking Dealerships Urban fleets Hotel and hospitality Overnight fleet charging Sites with sensitive load concerns 	The Terra DC Wallbox UL is a compact 24 kW DC fast charger supporting CCS and CHAdeMO protocols with one or two outlets - and supports high voltage charging up to 920 VDC in both single (208-240V) and three-phase (480V) configurations. Operating the Terra DC Wallbox is easy thanks to a full color, daylight readable touchscreen display, access control features and can be OCPP integrated. The Terra DC Wallbox also features ABB Connected Services to enable monitoring, remote diagnostics and over-the-air updates and upgrades.
Terra 54 / 54HV 	50 kW	<ul style="list-style-type: none"> Retail, grocery, mall, dining Metropolitan / urban areas Commercial/public fleet operators Fleet maintenance charging OEM R&D 	The Terra 54 is a 50 kW DC fast charger that can be configured with CCS and CHAdeMO in a dual-outlet design, or a CCS-only single outlet design. The Terra 54HV DC fast charger can additionally support 50 kW continuous charging for medium and heavy duty vehicles with battery voltages requiring up to 920 VDC. ABB's 4G modem-connected Terra 54 chargers feature a 5x10kW redundant power module architecture for high uptime and remote serviceability - with a high-brightness color touchscreen display, RFID and support for OCPP 1.6 integrations. Other options include cable management, credit card reader and more.
Terra 94/124/184 	90-180 kW	<ul style="list-style-type: none"> Retail, grocery, mall, dining Frequent turnover parking Convenience fueling stations Commercial/public fleet operators MD/HD fleet charging OEM R&D 	The Terra 94, 124 and 184 are "all in one" DC fast chargers rated at 90 kW, 120 kW and 180 kW respectively, and all feature high voltage charging up to 920 VDC. The Terra family's unique redundant power module architecture consists of multiple 30 kW power modules connected in parallel that deliver operational redundancy and higher uptime, with automatic fail-over functionality should any single power module experience a fault. The Terra 124 and Terra 184 models enable power sharing capability to serve two EVs simultaneously. The same robust accessories and connectivity options are available for the Terra 94, 124 and 184 as with the Terra 54 series.
Terra HP 175 	175-350 kW	<ul style="list-style-type: none"> Highway fuel, convenience Retail complexes near highway corridors Commercial/fleet operators EV infrastructure networks and service providers R&D and vehicle development sites 	ABB's Terra HP UL is a modular 175-350 kW ultra-fast EV charging system supporting all 150-920 VDC compatible vehicles. ABB's Terra HP system has a modular architecture that can be configured at 175 kW with one charge post and one cabinet; or 350 kW with one charge post and two cabinets; or in Dynamic DC configuration from 175-350 kW with two charge posts and two cabinets, which allows the combined system to charge one vehicle at up to 350kW or two vehicles simultaneously at up to 175kW, enabling higher utilization of charging assets. Every Terra HP charge post is equipped with an integrated chiller and environmentally-friendly cooled cables offering higher peak and continuous output power performance. This technology supports faster charging for vehicles where typical 200 A rated systems may not deliver above 80kW to 400 VDC electric vehicles. As a member of the best-selling Terra family of DC chargers, the Terra HP features integrated connected services for payment, remote monitoring, diagnostics, statistics and firmware updates as well as support for OCPP 1.6.
Terra HP 350 			
HVC-C Depot 	100-150 kW	<ul style="list-style-type: none"> Bus/transit operations Truck fleet operations Last mile delivery vehicles Commercial/fleet operators 	ABB HVC-C UL Depot Charging systems rated 100 kW and 150 kW and up to 850 VDC, offer a highly reliable and intelligent solution to charge EV fleets such as buses, trucks and other commercial vehicles with the CCS charging connection. Sequential charging functionality allows connection of up to three depot charge boxes with a single power cabinet where vehicles are charged sequentially over time. ABB can offer the HVC-C Depot Charging solution with compliance to Buy America (Rule 49 CFR Part 661.5). ABB's HVC-C Systems come with an extensive suite of connectivity features including remote services such as monitoring, management, diagnostics and software upgrades.
HVC-PD Opportunity 	150-450 kW	<ul style="list-style-type: none"> Bus/transit operations 	ABB's HVC-PD UL opportunity charging system, in configurations of 150kW to 450kW at 150 to 850 VDC, offers high-power charging via an automated rooftop connection. With typical charge times of 3 to 6 minutes, the system can be easily integrated in existing operations by installing chargers at endpoints, terminals and intermediate stops with a pantograph or ceiling mounted. This system architecture offers an ideal solution for opportunity charging, ensuring zero-emission public transit during the day without impacting daily route operations. ABB can offer the HVC-PD system with compliance to Buy America (Rule 49 CFR Part 661.5). ABB's HVC Systems come with an extensive suite of connectivity features including remote services such as monitoring, management, diagnostics and software upgrades.



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Winn-Marion Companies

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