EV INFRASTRUCTURE

Stocked locally

The Terra 53 CJ UL 50kW DC Fast Charging Station

Get the most installed DCFC solution in the world, delivered within days. ABB's Terra 53 CJ is a fully connected design, supporting both CCS and CHAdeMO standards. Designed to meet the needs of the "charge and go" driver, the 50kW Terra 53 supports all battery electric vehicles available in the market today, as well as the next generation BEVs.

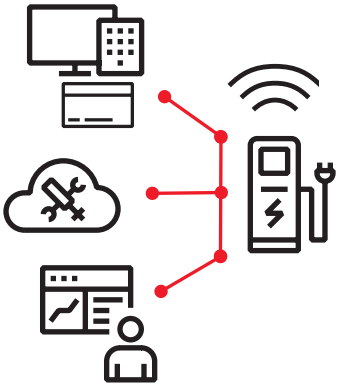
The market leader
ABB is the global leader deploying DC Fast Charging Stations throughout North America, Europe and Asia. ABB has installed more than 5000 DC fast chargers across the full DC power range, and has the highest installed base of dual-outlet charging stations in North America.

The future-proof solution
ABB's EV Charging technology and services are committed to a future-proof strategy that includes operational reliability, a 24/7/365 direct service network, open interoperability, best-in-class connected services, and a proactive product roadmap built on close work with OEMs around the world.

Supporting our hardware, ABB invested significantly into a portfolio software options that offer a combination of cloud-enabled and local interface connected services for always-live authentication, payment enablement, remote monitoring, upgradability and data telematics.

ABB's Terra 53 is the most installed DC fast charging solution in the world.

System	Multi-standard DC fast charging station
Environment	Indoor / outdoor
Operating temperature	-35 ºC to +50 ºC (de-rating characteristic applies)
Storage temperature	-40 ºC to +70 ºC
Altitude	2000m (de-rating characteristic applies)
Compliance and safety	c UL us / IEC 61000 = EMC Class B certified
Input	
AC power connection	3P + PE
Input voltage range	480 V_{AC} +/-10% (60 Hz)
Max. rated input current & power	75A, 60 kVA; power limiting options available
Power factor (full load)	> 0.96
Efficiency	94% at nominal output power
DC output	
Maximum output power	50 kW
Output voltage range	200 – 500 V_{DC} (CCS-1); 50 – 500 V_{DC} (CHAdeMO)
Maximum output current	125 A_{DC} (CCS-1); 120 A_{DC} (CHAdeMO)
General	
DC connection standard	EN61851-23 / DIN 70121 CCS-1 and CHAdeMO 1.0
DC cable length	12 ft (optional: 20 ft)
DC plug type	CCS-1 / CHAdeMO
RFID system	ISO/IEC14443A/B, ISO/IEC15693, FeliCa™ 1, NFC reader mode
Network connection	GSM modem (2G/3G), 10/100 Base-T Ethernet
Protection	NEMA Type 3R / IP54
User interface	High brightness full color touchscreen; ADA Compliant RFID, PIN and credit card kit options
Dimensions (D x W x H)	30" x 21" x 75" / 760 mm x 525 mm x 1900 mm
Weight	775 lbs / 350 kg
Shipping dimensions (D x W x H)	48" x 32" x 85" / 1200 mm x 800 mm x 2150 mm
Shipping weight	830 lbs / 375 kg



Connectivity is a critical element for operational excellence and network bankability

Connected Services

Remote management and service	APIs	Web tools
• Remote diagnosis • Remote support & restart • Customer support • "Over the air" updates	• Standardized interface to any IT system • OCPP API • Demand Response API	• Support for call centers and services • Case management • Visual graphics and statistics • User management • Reports and downloads

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