EV INFRASTRUCTURE

Stocked locally

Terra 53 CJ UL 50 kW DC Fast Charging Station

Get the most installed fast charging solution in the world, delivered within days. ABB's 50 KW Terra 53 dual outlet configuration supports CCS and CHAdeMO standards for all battery electric vehicles available today – as well as tomorrow's BEVs.

Designed to meet the needs of commercial and convenience charging, the Terra 53 features integrated Connected Services for business enablement and operational excellence.

The market leader
ABB is the global leader DC fast and high power charging technology, having installed thousands of fast chargers across a wide power range in more than 80 countries.

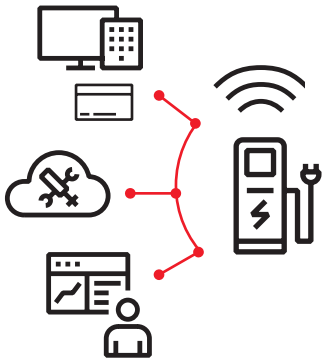
The future-proof solution
ABB's EV infrastructure is committed to a future-proof strategy that includes operational reliability, 24/7/365 network uptime, full interoperability, best-in-class connected services, and a proactive product roadmap built on close work with OEMs around the world.

Supporting ABB hardware technology is a full suite of cloud-enabled and directly integratable connected services for always-live authentication, payment enablement, remote monitoring, upgradability and data telematics.

Applications
- Commercial shopping and dining areas
- Metropolitan / urban areas
- Highway fuel and convenience stores
- Commercial fleet operators
- EV infrastructure operators and service providers

Main features
- 50 kW DC fast charger
- Dual configuration supporting CCS-1 and CHAdeMO
- Designed to deliver full output power continuously and reliably over charger lifetime
- Robust all-weather powder-coated stainless steel enclosure
- EMC Class B certified for proximity to residential areas
- High brightness, daylight readable touchscreen display with graphic visual of charging progress
- Future proof connectivity via open industry standards such as OCPP
- Remote monitoring, diagnostics and upgrades
- Quick and easy installation
- Optional cable management, authentication, payment and other advanced connectivity services.

ABB's Terra 53 is the most installed 50kW DC fast charging solution in the world.



Connectivity is a critical element for operational excellence and networked services.

General specifications	
Environment	Indoor / outdoor
Operating temperature	-35 °C to +50 °C (de-rating characteristic applies)
Storage temperature	-40 °C to +70 °C
Altitude	2000m (de-rating characteristic applies)
Compliance and safety	Compliance to UL 2202 and CSA 107.1 IEC 61000-6-3 Class B - Residential IEC 61000-6-2 Industrial
Input	
AC power connection	3P + PE
Input voltage range	480 V_{AC} +/-10% (60 Hz)
Max. rated input current & power	64A at 480V, 53.21 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	20 ft
DC plug type	CCS-1 / CHAdeMO
RFID system	ISO/IEC14443A/B, ISO/IEC15693, FeliCa™ 1, NFC reader mode
Network connection	GSM modem (3G/4G), 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
Communication	OCPP 1.5 and OCPP 1.6 enabled
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

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