For more information please contact:

ABB E-mobility
Heertjeslaan 6,
2629 JG Delft
The Netherlands
Phone: +31 88 4404600
E-mail: info.evi@nl.abb.com

https://emobility.abb.com/

9AKK107992A8963

Never stop moving!

Terra 360. The EV charger designed for users on the move, in busy urban locations and fleets of commercial vehicles.

—

At ABB, we have 130 years of heritage in accessible technology leadership and a world-leading AC and DC charging portfolio – for safe, smart and sustainable mobility.

That’s why some of the world’s biggest brands trust us to provide market-leading e-mobility solutions from home to highway to workplace.

Terra 360

Designed around the needs of urban spaces and today's EV driver

Municipalities are banning internal combustion vehicles from the city centers

Gas & oil companies are embracing electric car charging, electricity is a new type of fuel

Distributed fast charging in residential areas is an alternative to traditional refueling stations

Delivery and taxi companies are electrifying their fleets

Cities are investing into high power charging infrastructures for private and public transports

Retail chains are investing in fast charging offering customers a full charge in exchange of an extended visit to the store

Terra 360

Striving to make fast charging better. For everyone

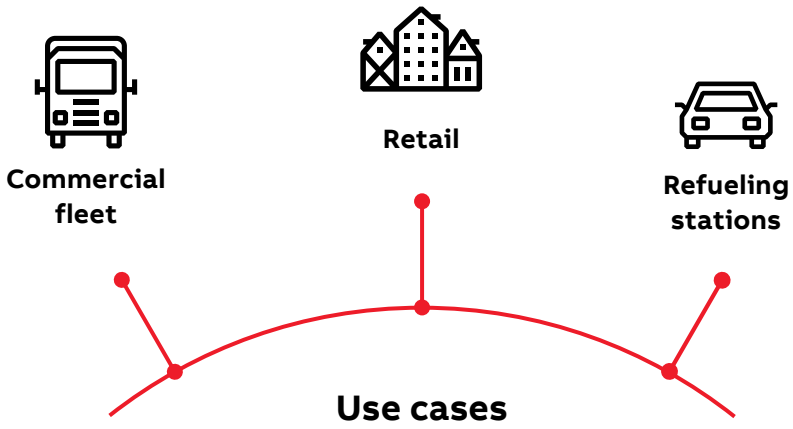
Designed around the needs of today's EV driver, the Terra 360 is powerful, flexible, user-friendly and designed for accessibility.

Key features

- "All-in-one" integrated design
- Up to 360 kW of charging power
- Serving multiple EVs at the same time
- Dynamic power allocation across the outlets
- Supporting the major charging standards
- CCS charging up to 500A
- Charging batteries up to 920 Vdc
- Integrated cable management system
- Almost 5m of cable reach on all sides of the charger
- 15" touchscreen user interface
- Optional advertisement screens
- Optional credit card payment terminals
- Native support to OCPP 1.6 JSON
- Easy and fast installation and commissioning
- Online and local service and configuration tools
- Native integration to ABB site and fleet power management solutions

A smart and sustainable investment

ABB's Terra 360 is one of the fastest chargers on the market, with up to 360 kW of power available. A compact all-in-one high power charging solution, helping charging network operators deploy fast-charging stations and accelerate the transition to future mobility.



Commercial fleet	Delivery fleet depots, Taxi, EV fleet depots
Retail	Modern urban charging stations, convenience stores, supermarkets, shopping centers, parking structures, car dealerships, racetracks, car dealerships
Refueling stations	Highway refueling stations, high traffic roads

Terra 360 benefits

Efficient, reliable and accessible charging

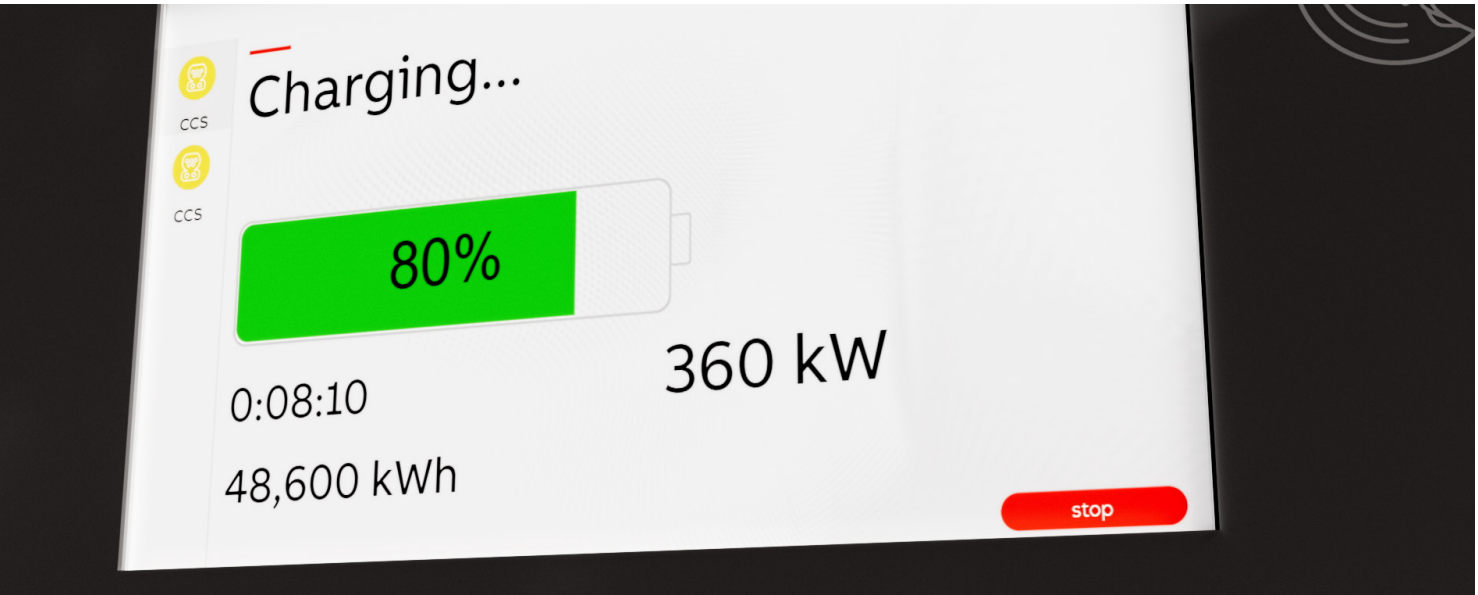
- **Our fastest all-in-on charger:** up to 100 km/ 60 miles of range in 3 minutes
- **User-centric design:** Simple and intuitive interface with guided LED lighting
- **Seamless payment integration:** Allows for a variety of payment options
- **Accessible to everyone:** Long cable reach and designed to be wheelchair user friendly

Lower operational costs

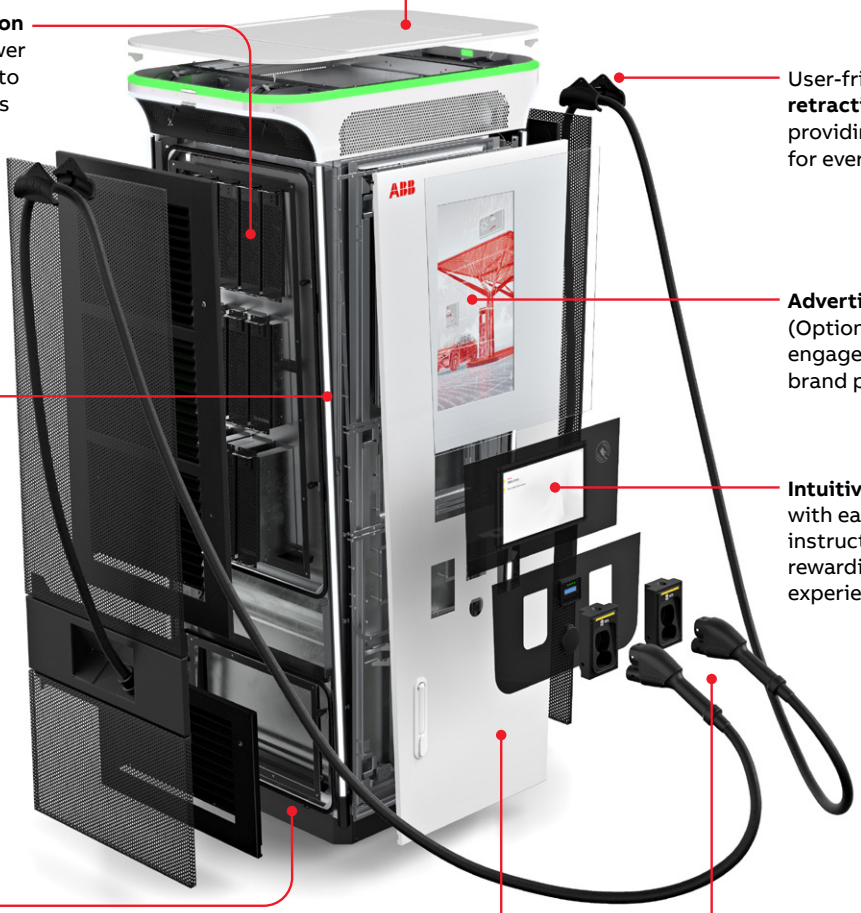
- **Increased throughput:** Establish KPIs for plug-in, charging and session success rates
- **Compact footprint:** Modular design supports accessible layouts and easy upgrades
- **Effective TCO management:** With the best configuration of chargers, services and load management
- **Increased reliability:** Enabled by 24/7 support, remote maintenance and upgrades

Increase brand appeal

- **Support the shift to EV:** Help people, society and business accelerate to net zero
- **Promotional opportunities:** Entertainment and information with optional advertisement screens
- **Brand customizations:** Tailor chargers with easy branding and color customization



The Terra 360 all-in-one high-power charger
At a glance



Digital connectivity for back-end management systems and connected services

Dynamic power allocation across outlets, with power modularity that adapts to meet the charging needs of multiple vehicles

User-friendly **cable retraction system** providing accessibility for everyone

Advertisment screen (Optional) for user engagement and brand promotion

Innovative lighting system shows the charger availability and the State of Charge (SOC) of the connected EVs

Intuitive user interface with easy-to-follow instructions ensures rewarding customer experience

Small footprint provides flexibility in installation and enables multiple parking scenarios (frontal and drive-though parking)

Charger **designed to meet accessibility needs** of all users

Connectors available in multiple standards and delivering up to 500 A Peak and 300 A Nominal

CHARGING POWER

CCS charging up to 360 kW
CHAdeMO charging up to 150 kW (Japan only)

Technical specification

	Terra 360 CC	**Terra 360 CJ** (Japan only)
Connector		
Charging standard (IEC 61851-1)	Mode 4	
Number of outputs	2	
Number of EV served	Up to two EV in parallel	
Output combinations	Cable with connector CCS 2	Cable with connector CCS 2 Cable with connector CHAdeMO
Cable type	Air cooled	
Cable Length	Standard: 4.7 m	
Efficiency	> 95% at nominal output power	
DC output		
DC output power	360 kW (peak)	360 kW (peak)
DC output voltage	CCS 150 - 920 VDC	CCS 150 - 920 VDC CHAdeMO 150 - 500 VDC
DC output current	Nominal 300 A DC / Peak 500 A DC	CCS: Nominal 300 A DC / Peak 500 A DC CHAdeMO: Nominal 200 A
AC intput		
Input connection	3 Phases + PE	
Input voltage	400 V AC +/- 10% (50 Hz)	
Input frequency	50 Hz	
Input Current	560 A	
Input power	390 KVA	
Power Factor	> 0.96 (at full load)	
Harmonic Distortion (THDi)	4.5% at full output power	
Earthing systems	TN-S, TN-C, TN-C-S, TT (with upstream RCD)	
Standby power	80 W, excluding the heater	
Overvoltage category (1)	Type III	
Protection	Overcurrent, overvoltage, undervoltage, ground fault including DC leakage protection, overtemperature, integrated surge protection	
Short circuit current	25 kA	
Mechanical		
Dimensions (H x W x D)	2215 x 1210 x 764 mm	
Mounting Type	Floor mounted	
Weigth	848 kg	
Enclosure type	Stainless steel 430 and Aluminium	
IK rating (2)	IK10 (HMI: IK08)	
Environmental		
IP rating	IP54	
Enclosure Type	Indoor and outdoor	
Maximum operating altitude	Up to 2000 m	
Temperature range	-35 °C to +55 °C (de-rating characteristic applies from 40 °C)	
Operating humidity	20-95 % Rh non-condensing	
Noise level	<75 dB(A) at 1m distance @ 25 °C on front door, at full power	
Interface		
Screen Type	15" LCD high-contrast touchscreen	
Languages	Standard Language English (Others available via Software upgrade)	
Cellular communication	GSM / 4G / LTE	
Communication Protocol	Open Charger Point Protocol (OCPP) 1.6 (and previous versions)	
Authentication methods	RFID (Standards, Cards..), On-screen PIN code authorization Option: payment terminal; Prepared for ISO 15118 - 2 PnC	
RFID system	Mifare ISO 14443 A+ B to part 4 and ISO/IEC 15693 Others available on request (NFC, Calypso, Ultralight, PayPass, HID; and more)	
Energy metering	Ready for Eichrecht/PTB and MID compliancy for AC and DC outlets	
Emergency stop button type	On request	
Standards and certification		
Declaration of Conformity	CE	
Low voltage Directive	EN 61851-1:2011, EN 61851-23:2014, EN 61851-1:2010, IEC 61851-1:2010. IEC 61851-23:2014, EN IEC 62311:2020	
EMC	EN IEC 61000-6-1: 2019, EN 61000-6-4:2007+A1, IEC 61851-21-2_2021, EN 301489-1 v1.9.2, EN 301489-34 V1.4.1	
RED	EN 300330 V2.1.1:2017, EN 301908-13 V13.1.1.2019, EN 301489-1 V2.2.3:2019, EN 50364:2010, EN 301489-3 V2.1.2:2021, EN 301489-52 V1.1.2:2020, EN IEC 62311:2020, EN 301908-2 V13.1.1:2020	
Additional compliance with standards (3)	IEC 62196-2, IEC 62196-3	
Communication to the EV	DIN 70121, ISO 15118-2 Plug'n'Charge (4)	DIN 70121, ISO 15118-2 Plug'n'Charge (4), CHAdeMO 1.2

(1) IEC 60664-1:2020 (2) According to IEC 62262 (3) ABB uses AC and DC cables/connectors from suppliers, who also declare compliance with this standard
(4) Integration activities are needed for entire ecosystem