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/
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.

<table>
<thead>
<tr>
<th>Use cases</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial fleet</td>
<td>Delivery fleet depots, Taxi, EV fleet depots</td>
</tr>
<tr>
<td>Retail</td>
<td>Modern urban charging stations, convenience stores, supermarkets, shopping centers, parking structures, car dealerships, racetracks, car dealerships</td>
</tr>
<tr>
<td>Refueling stations</td>
<td>Highway refueling stations, high traffic roads</td>
</tr>
</tbody>
</table>
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

- **Dynamic power allocation** across outlets, with power modularity that adapts to meet the charging needs of multiple vehicles
- **Digital connectivity** for back-end management systems and connected services
- **Intuitive user interface** with easy-to-follow instructions ensures rewarding customer experience
- **Charger** designed to meet accessibility needs of all users
- **Innovative lighting system** shows the charger availability and the State of Charge (SOC) of the connected EVs
- **Small footprint** provides flexibility in installation and enables multiple parking scenarios (frontal and drive-through parking)
- **User-friendly cable retraction system** providing accessibility for everyone
- **Advertisement screen** (Optional) for user engagement and brand promotion
- **Intuitive user interface** with easy-to-follow instructions ensures rewarding customer experience
- **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

<table>
<thead>
<tr>
<th>Connector</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging standard (IEC 61851-1)</td>
<td>Mode 4</td>
<td></td>
</tr>
<tr>
<td>Number of outputs</td>
<td>2</td>
<td>Cable with connector CCS 2</td>
</tr>
<tr>
<td>Number of EV served</td>
<td>Up to two EV in parallel</td>
<td>Cable with connector CCS 2</td>
</tr>
<tr>
<td>Output combinations</td>
<td>Cable with connector CCS 2</td>
<td>Cable with connector CHAdeMO</td>
</tr>
<tr>
<td>Cable type</td>
<td>Air cooled</td>
<td></td>
</tr>
<tr>
<td>Cable Length</td>
<td>Standard: 4.7 m</td>
<td></td>
</tr>
<tr>
<td>Efficiency</td>
<td>&gt; 95% at nominal output power</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DC output</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC output power</td>
<td>360 kW (peak)</td>
<td>360 kW (peak)</td>
</tr>
<tr>
<td>DC output voltage</td>
<td>CCS 150 - 920 VDC</td>
<td>CCS 150 - 920 VDC</td>
</tr>
<tr>
<td>DC output current</td>
<td>Cable with connector CHAdeMO</td>
<td>Nominal 300 A DC / Peak 500 A DC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AC Input</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input connection</td>
<td>3 Phases + PE</td>
<td></td>
</tr>
<tr>
<td>Input voltage</td>
<td>400 V AC +/- 10% (50 Hz)</td>
<td></td>
</tr>
<tr>
<td>Input frequency</td>
<td>50 Hz</td>
<td></td>
</tr>
<tr>
<td>Input Current</td>
<td>560 A</td>
<td></td>
</tr>
<tr>
<td>Input power</td>
<td>390 KVA</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt; 0.96 (at full load)</td>
<td></td>
</tr>
<tr>
<td>Harmonic Distortion (THDi)</td>
<td>4.5% at full output power</td>
<td></td>
</tr>
<tr>
<td>Earthing systems</td>
<td>TN-S, TN-C, TN-C-S, TT (with upstream RCD)</td>
<td></td>
</tr>
<tr>
<td>Standby power</td>
<td>80 W, excluding the heater</td>
<td></td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>Type III</td>
<td></td>
</tr>
<tr>
<td>Protection</td>
<td>Overcurrent, overvoltage, undervoltage, ground fault including DC leakage protection, overtemperature, integrated surge protection</td>
<td></td>
</tr>
<tr>
<td>Short circuit current</td>
<td>25 kA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H x W x D)</td>
<td>2215 x 1210 x 764 mm</td>
<td></td>
</tr>
<tr>
<td>Mounting Type</td>
<td>Floor mounted</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>848 kg</td>
<td></td>
</tr>
<tr>
<td>Enclosure type</td>
<td>Stainless steel 430 and Aluminium</td>
<td>IK10 (HMI: IK08)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP rating</td>
<td>IP54</td>
<td></td>
</tr>
<tr>
<td>Enclosure Type</td>
<td>Indoor and outdoor</td>
<td></td>
</tr>
<tr>
<td>Maximum operating altitude</td>
<td>Up to 2000 m</td>
<td></td>
</tr>
<tr>
<td>Temperature range</td>
<td>-35 °C to +55 °C (de-rating characteristic applies from 40 °C)</td>
<td></td>
</tr>
<tr>
<td>Operating humidity</td>
<td>20-95 % Rh non-condensing</td>
<td></td>
</tr>
<tr>
<td>Noise level</td>
<td>&lt;75 dB(A) at 1m distance @ 25 °C on front door, at full power</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interface</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Type</td>
<td>15&quot; LCD high-contrast touchscreen</td>
<td></td>
</tr>
<tr>
<td>Languages</td>
<td>Standard Language English (Others available via Software upgrade)</td>
<td></td>
</tr>
<tr>
<td>Cellular communication</td>
<td>GSM / 4G / LTE</td>
<td></td>
</tr>
<tr>
<td>Communication Protocol</td>
<td>Open Charger Point Protocol (OCPP) 1.6 (and previous versions)</td>
<td></td>
</tr>
<tr>
<td>Authentication methods</td>
<td>RFID (Standards, Cards.), On-screen PIN code authorization</td>
<td>Option: payment terminal; Prepared for ISO 15118-2 PnC</td>
</tr>
<tr>
<td>RFID system</td>
<td>Mifare ISO 14443 A+ B to part 4 and ISO/IEC 15693</td>
<td>Others available on request (NFC, Calypso, Ultralight, PayPass, HID; and more)</td>
</tr>
<tr>
<td>Energy metering</td>
<td>Ready for Eichrecht/PTB and MID compliancy for AC and DC outlets</td>
<td></td>
</tr>
<tr>
<td>Emergency stop button type</td>
<td>On request</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standards and certification</th>
<th>Terra 360 CC</th>
<th>Terra 360 CJ (Japan only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Declaration of Conformity</td>
<td>CE</td>
<td></td>
</tr>
<tr>
<td>EMC</td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

(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.