**ABB E-MOBILITY**

**Terra DC Wallbox UL**

Stocked for quick delivery

The Terra DC Wallbox is a compact 24 kW DC fast charger that’s perfect for auto dealerships, fleets, workplaces and parking sites. With its low-power, high-voltage architecture, the Terra DC Wallbox can be installed at sites with defined or limited available power service – while offering convenient DC charging for every battery electric vehicle.

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**Future-proof “Destination DC” charging**

The Terra DC Wallbox is a compact 24 kW DC fast charger with one or two outlets supporting CCS and CHAdeMO protocols.

Low power DC is an ideal solution for use cases demanding shorter charging times and higher charging asset utilization than can be provided by AC charging solutions. With a low power DC solution, charging needs can be met in balance with load demands and infrastructure costs.

Operating the Terra DC Wallbox is easy thanks to a full color, daylight readable touchscreen display. This includes starting and stopping of charge sessions, progress indication during charging, help menus, language selection, and PIN code access control.

Connectivity underpins successful EV charging installations via remote intelligence and business enablement. The Terra DC Wallbox is supported by ABB E-mobility Connected Services which enable OCPP back-end integrations, remote diagnostics, over-the-air updates and firmware upgrades.

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**Terra DC Wallbox UL configurations**

<table>
<thead>
<tr>
<th>Input phase</th>
<th>Input voltage</th>
<th>kW peak</th>
<th>CCS-only single</th>
<th>CCS + CHAdeMO dual</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>208-240 V</td>
<td>19.5-22.5</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>480 V</td>
<td>24</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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The Terra DC Wallbox is available in multiple configurations to meet varied needs based on use case, power supply, load concerns and expected vehicle profiles.
Terra DC Wallbox UL
A future-proof e-mobility investment

Safe, intelligent and future-proof
ABB’s Terra DC Wallbox provides DC fast charging capabilities for customers looking for a fast charge with a smaller footprint and lower installation costs. Offering up to 24 kW in peak output power, the Terra DC Wallbox provides a solution for destination and overnight charging.

Main features
- DC output voltage range from 150 to 920 VDC
- Flexible configurations available for single-phase (208-240 VAC) or three-phase (480 VAC)
- Enables CCS1 only or CCS1 and CHAdeMO
- Daylight readable 7” full color touchscreen display
- OCPP 1.6 ready
- Remote services and updates
- Compact design
- Robust all-weather indoor and outdoor enclosure
- RFID reader
- ENERGY STAR® certified

Key optional features
- On-screen PIN code authorization
- Input current limiting software to match site requirements
- Web tools for statistics, configuration, access management, remote diagnostics and repair
- Integration with back offices and payment platforms
- Premium cable holsters tailored to CCS and CHAdeMO connector types
- Pedestal mounted option available

Power level
- 19.5 kW at 208 V (1-phase)
- 22.5 kW at 240V (1-phase)
- 24 kW at 480 V (3-phase)

Charging standards
- CCS-only
- CCS+CHAdeMO

Mounting & cables
- Wall-mounted
- Pedestal option with cable management

User access & payment
- RFID-enabled
- OCPP integration options
- ISO 15118 option

Connectivity & services
- 24/7 remote services
- Service level agreements
- Interoperability validation
- Training programs

Link to the Terra DC Wallbox UL Data Sheet for detailed information.
Terra DC Wallbox
Destination DC for right sized charging

Destination DC: Use cases

**Dealers**
Vehicle dealer sites for customers and service centers.

**Multi-family**
Multi-tenant homes, residential communities

**Public commercial**
Shopping, dining, entertainment centers and parking complexes.

**Fleets**
Delivery vehicles, bus depots, car rental, ride hail and trucking

**Workplace**
Offices and facilities where employees and visitors may park.

**Right of Way parking**
On-street designated public parking

Destination DC: Charging times

<table>
<thead>
<tr>
<th>Vehicle type</th>
<th>Battery profile</th>
<th>Charging time (hours) 208-240 V / 480 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-duty</td>
<td>60 kWh BEV / 400 VDC</td>
<td>2 / 1.75</td>
</tr>
<tr>
<td>Medium-duty</td>
<td>90 kWh BEV / 400 VDC</td>
<td>3 / 2.5</td>
</tr>
<tr>
<td></td>
<td>100 kWh BEV / 800 VDC</td>
<td>3.25 / 2.75</td>
</tr>
<tr>
<td>Heavy-duty</td>
<td>150 kWh BEV / 800 VDC</td>
<td>5 / 4.25</td>
</tr>
<tr>
<td></td>
<td>200 kWh BEV / 800 VDC</td>
<td>6.5 / 5.5</td>
</tr>
<tr>
<td></td>
<td>300 kWh BEV / 800 VDC</td>
<td>9.75 / 8.25</td>
</tr>
</tbody>
</table>

Charge times shown are based on vehicle battery management system (BMS) requesting charging power from 20% to 80% under mild environmental conditions. Data assumes vehicles capable of charging at rated power.

ABB E-mobility Services

**Remote services**
- Round the clock connectivity
- Remote services
- Remote diagnostics
- Firmware upgrades
- Web tools

**Service & parts**
- Warranty execution
- Service level agreements
- Preventive maintenance
- Corrective services
- Spare parts programs

**Training**
- Online training
- Product and service classroom training
- Customized programs
- Third-party service programs

**Software services**
- OCPP integration
- Plug and charge integration
- Interoperability testing and validation
Terra DC Wallbox: Designed for charging at any location

**CONNECTED** around the clock with remote diagnostics and software updates to support every new EV

**COMPACT** footprint enables flexibility in installation to serve a variety of site conditions

**CERTIFIED** to UL, CSA and NEC as well as ENERGY STAR Certified

**FUTURE PROOF** investment supporting current and future electric vehicles with HV charging

**SAFETY** Emergency stop push button to immediately stop charging operation

**POWER MANAGEMENT** via OCPP integration to balance load demands and infrastructure costs

**CHAdemo connector** (optional)

**CONVENIENT** parking and charging with easy-reach cables

**7" LCD** touchscreen with high brightness and graphical visualization of charging process

**CCS connector**

**ABB E-mobility experience**

**1M** chargers sold globally including 50,000 DC fast chargers

**85+** countries with ABB E-mobility chargers installed

**1500+** talented employees supporting our zero-emission future

**12+** years’ experience deploying EV charging technology

**450 kW max power in a full range of products and use cases**