# Terra 24 Wallbox
## Wall & Pedestal Mount Fast Charger

## Description

The UL certified Terra DC Wallbox is a compact 24 kW DC fast charger perfect for commercial parking, auto dealerships, workplace facilities and fleets. 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 920 VDC charging capability for every EV model.



## Key Benefits and Features

- DC output voltage range from 150 to 920 VDC
- Single or dual outlet: CCS-1 and CHAdeMO
- Daylight readable 7" full color touchscreen display
- RFID reader
- OCPP 1.6 and Smart Charging Profiles
- Capability for remote services and updates
- Compact robust all-weather enclosure for indoor and outdoor use

The Terra 24 charger shown mounted with accessory holsters

## Specifications

- Available with CCS1 or CCS2, Dual CCS1 or CCS2 and Dual CCS1 & CHAdeMO connectors
- DIN70212 and ISO15118 protocols supported
- IP54, NEMA 3S; indoor and outdoor
- Dimensions (D x W x H): 11.8 in" x 23" (W) x 30.3" (H)  / 300mm X 584mm X 770mm
- Weight: 60kg / 132 lbs

## Ordering Information

| Configuration | SKU |
|---|---|
| Terra 24 - Single CCS | ADC-24-480-C1-WC1R |
| Terra 24 - CCS and CHAdeMO | ADC-24-480-C1CH-WC1R |

\* When ordering the ABB Terra series with CCS/CCS connectors (-CC), order the -CJ which is designed to handle both CCS and CHAdeMo connector types.

## Technical Specifications

| Configuration | SKU |
|---|---|
| Voltage | 1 Phase 208-240 ; 3 Phase 480V |
| AC Input Power Connection | 1 Phase L1, L2, GND; 3 Phase L1, L2, L3, N, GND |
| Frequency | 60Hz |
| Recommended breaker | 1 Phase125A ; 3 Phase 40A |
| Power factor | >0.96 |
| THD - Current | IEEE 519 Compliant; 5% |
| **Output Parameters** | **Value** |
| Voltage | 150 to 920 Vdc (CCS1), 150 - 500 Vdc (CHAdeMO) |
| Current - Max | 60A |
| Power - Max | 1 Phase19.5kW @ 208V; 1 Phase 22.5kW @ 240; 3 Phase 24 kW |
| System Effciency - Max | 94% |
| **Controls and Interface** | **Value** |
| Charging Connectors | CCS1, CCS2, CHAdeMO |
| HMI | 7" TFT LCD Display |
| Communication | OCPP 1.6J |
| Network Connection | GSM / 4G modem10/100 Base-T Ethernet |
| RFID | ISO/IEC14443A/B, ISO/IEC15693, NFC, Mifare, Calypso |
| Language | English (others available upon request) |
| **Environment** | **Value** |
| Temperature - Operating | -35 °C to +45 °C * |
| Temperature - Storage | -10 °C to +70 °C / 14 °F to +158 °F |
| Humidity | 5 - 95 |
| Altitude - Operating | 8200ft (2500M) |
| Protection - Intrusion | IP54, NEMA 3S; indoor and outdoor |
| **General** | **Value** |
| Cable Length | 23ft (7m) |
| Safety and EMI | UL 2202, NEC Article 625, EN 61851, EN 62196 |

* +45 °C to +55 °C with linear derating