

# 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: 11.8 in" (D) X 23" (W) X 30.3" (H) / 300mm X 584mm X 770mm
- Weight: 60kg / 132 lbs

### Ordering Information

Options	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

Input Parameters	Value
Voltage	1 Phase 208-240 ; 3 Phase 280v
AC Input Power Connection	1 Phase L1, L2, GND; 3 Phase L1, L2, L3, N, GND
Frequency	60Hz
Recommended Breaker	1 Phase 125A ; 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 Phase 19.5kW @ 208V; 1 Phase 22.5kW @ 240; 3 Phase 24 kW
System Efficiency - Max	94%
Controls and Interface	Value
Charging Connectors	CCS1, CCS2, CHAdeMO
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	GSM / 4G modem 10/100 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)