



Terra AC Wallbox

40A / 48A / 80A Level 2 Charger

Description

The Terra AC Wallbox is the smartest, quickest and safest Level 2 destination charging solution for fleets, public charging operators, commercial facilities, workplaces, and multi-family residences. The Terra AC Wallbox delivers future-proof flexibility as well as advanced safety and protection. With connectivity and digital functionality, the Terra AC Wallbox is built to deliver optimized charging today and well into the future.

Key Benefits and Features

- Flexible, high quality design
- Universal PHEV and BEV charging
- Easy siting and installation
- Rugged NEMA Type 4 enclosure for any indoor or outdoor location
- Smart business integration
- OCPP integration with any charging network

Specifications

- Power Output @ 240Vac: 9.6kW / 11.5kW / 19.2kW
- Max Current Output: 40A / 48A / 80A
- Cable Options: SAE J1772 Connector
- Mounting Method: Wall Mounted
- Dimensions: 15.75"(D) × 9.06"(W) × 4.92"(H)

Ordering Information

Configuration	SKU
AL2-40-240-T1-WC1R	ACWB 40A
AL2-48-240-T1-WC1R	ACWB 48A
AL2-80-240-T1-WC1R	ACWB 80A



The Terra AC Wallbox

Technical Specifications

Configuration	SKU
Voltage	208-240 Vac
AC Input Power Connection	L1, L2, G
Recommended breaker	50A / 60A / 100A
Output Parameters	Value
Voltage	208/240 VAC, 50/60 Hz
Current - Max	40A / 48A / 80A
Power - Max	9.6 kW / 11.5 kw / 19.2kW
Controls and Interface	Value
Charging Connectors	SAE J1772, Type 1 cable, 25ft (7.6 m)
Communication	OCPP 1.6J, Modbus RTU RS485 (energy meter or local controller connection), Modbus TCP/IP (local controller connection)
Network Connection	4G, LTE, WCDMA, Ethernet (RJ45) with daisy-chain Ethernet option, Wifi, Bluetooth, Modbus RTU RS485, Modbus TCP/IP
RFID	RFID Card Reader
Environment	Value
Temperature - Operating	-30 °C to +55 °C (-22 °F to +131 °F)*
Temperature - Storage	-40 °C to +85 °C (-40 °F to +185 °F)
Altitude - Operating	4000 m (13,123 ft)
Protection - Intrusion	Indoor and Outdoor, NEMA 4; IP65, IK10
General	Value
Cable Length	25 ft
Safety and EMI	UL 2594, UL 2231-1, UL 2231-2, UL 1998, CSA C22.2. NO.280, NMX-J-667-ANCE

* Derating characteristics apply at extreme temperatures



ICE-30

30kW DC Fast Charger



Description

ICE-30 is a compact DCFC capable of charging with one or two connectors and supports both CCS and CHAdeMO standards. This DC Wallbox is designed for easy wall mounting or can be attached to our pedestal which includes cable management and convenience lighting. The ICE-30 is easy to operate with an intuitive touchscreen display and is ideal for auto dealers, fleet charging and a variety of parking applications where shorter charge times are necessary.

Key Benefits and Features

- 150 to 1000Vdc output voltage range
- 30kW rated output power
- User friendly control interface allows for access management via PIN or RFID accessibility
- OCPP 1.6 standard supports interoperability across back end platforms
- LTE Modem and LAN
- Compact design is easy to mount on walls or on the optional InCharge pedestal
- TUV certification to UL 2202 to ensure safety
- 480V 3-phase input for high efficiency conversion



The ICE-30 Dual CCS

Specifications

- Available with CCS1 and CHAdeMO
- DIN 70212 and ISO 15118-2 protocol supported
- Hot galvanized steel, plastic facade, and tempered glass screen construction ensures longevity
- Dimensions (D x W x H): 34.6" x 25.25" x 74.8" / 312 mm x 610mm x 650mm
- Weight: 155lbs / 70kg

Ordering Information

Configuration	SKU
ICE-30 - CC	IDC-30-480-C1C1-WC1R
ICE-30 - CJ	IDC-30-480-C1CH-WC1R

Technical Specifications

Configuration	SKU
Voltage	480Vac WYE, +/- 10 %
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	45-65 Hz
Recommended breaker	50A 3W+G circuit
Max Current Draw	39A
Power factor	>0.99
THD - Current	< 3%
Output Parameters	Value
Voltage	150 - 1000Vdc
Current - Max	100A
Power - Max	30kW
System Efficiency - Max	>94.5
Controls and Interface	Value
Charging Connectors	CCS1 & CHAdeMO
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	LAN 10M/100M, Optional LTE wireless modem support
RFID	Yes
Language	English (others available on request)
Environment	Value
Temperature - Operating	-4 °F to + 158 °F * / -20 °C to +70 °C
Temperature - Storage	-40°F to + 167 °F / -40 °C to +75 °C
Humidity	95%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP54/K10
General	Value
Cable Length	16.4 ft
Safety and EMI	EN 61851-1-2001/EN 61851-21-2001/EN 61851-22-2001

* Derating characteristics apply at extreme temperatures

