

Energy Efficient
EV Charging Solutions

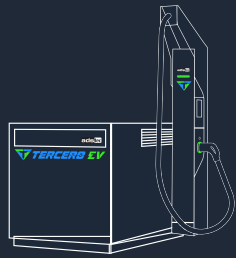
Sustainable Power, Sustainable Future



Tercero EV
& ADS-TEC Present
The ChargeBox

The Ultimate Electric Vehicle Charging Experience

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The ADS-TEC ChargeBox

320 kW

Charging power

60 Mile

Range in 5 minutes of charging time

17 sq ft

The smallest system of its class

5x

More power than provided by the grid

480 V

Simple connection to existing 480 V grid

140 kW

Battery capacity

980 ft

Up to 980 ft between grid connection and charging point

150-920 V

Vehicle power compatibility

Power Up Vehicles In Minutes With Tercero EV

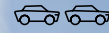
Experience the future of ultra fast EV charging with the 320 kW ChargeBox. This high power charger (HPC) is the superior choice for drivers and operators alike. Engineered for unmatched efficiency, this cutting-edge charger redefines performance standards.

Increase the number of cars charged per hour!

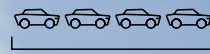
7-19 kW Charger



50-150 kW Charger



320 kW ChargeBox



Liquid-cooled charging cable ensures consistently high charging performance



CCS1 charging plug, compatible with NACS adapter



Peak shaving to reduce energy costs

Flexible installation

The Booster's placement can extend 654 feet from the 480 V grid connection, with an additional 327 feet to the dispensers.

Expandable as required

Two Dispensers can be operated on one Booster, providing 160 kW of power for ultra-fast charging when used simultaneously.

Easy to manage

Cloud-based software enables efficient maintenance for service tasks, enhancing energy management.

Fast Charging. No Compromises.



High safety standards, such as active temperature and voltage monitoring of individual battery cells



Integrated monitoring and management with cloud-based software



10-inch user friendly touch screen display



Charge two vehicles simultaneously with up to 160 kW or one vehicle with up to 320 kW



Noiseless charging for charging in residential and mixed use areas

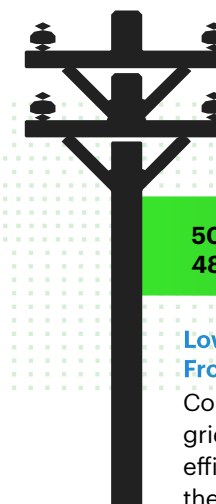


Billing in compliance with calibration regulations



Only The Best Ultra-Fast Charging Experience

5x more power from the power-limited grid



50-110 kW from 480 V grid

Low Power Input From Power-Limited Grid

Connect to regular grid power to efficiently charge the Booster.



Battery Storage System

The ChargeBox uses the Booster Storage System for high power.

320 kW

High Power Output For EV Fast-Charging

The dispenser delivers stored energy to EVs on demand at ultra fast speeds up to 320 kW.



ChargeBox Booster

Developed in Germany and designed for high performance, the battery modules, with their high energy density, ensure fast supply to the ChargeBox Dispensers.



ChargeBox Dispenser

To make ultra-fast charging as easy, convenient, and safe as possible for operators and users, nothing has been left to chance with the ChargeBox Dispenser.



Peak Shaving

Reduces peak power demand by two-thirds while providing the same charging power, resulting in substantial long-term savings.

Compact Design

With a footprint of just 17 sq ft, the ChargeBox Booster requires just 15% of the area of comparable fast-charging systems with a connected medium-voltage installation.

Future Ready Technology

With its future-proof high-voltage technology, the system is compatible with voltage ranges from 150 V to 920 V, making it suitable for future electric vehicles.

Adaptable Setup

With above ground or sunken options, the ChargeBox solution can be put into a variety of locations, including places where civil engineering work is not an option.

High Suspension Point

High suspension point ensures easy access to the charging socket on the electric vehicle.

Liquid Cooled Charging Cable

Liquid-cooled charging cable ensures consistently high charging performance without overheating or derating.

Sunlight-Readable

Sunlight-readable 10-inch touch screen ensures optimal readability even in direct sunlight.

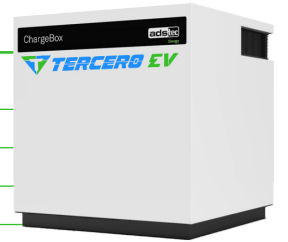
Charging Plug Type CCS1

CCS1 charging connector, or NACS with an adapter, for reliable, ultrafast charging power up to 320 kW.

Noise-Reduced Charging

Low-noise charging allows for installation in mixed-use and residential areas.

ChargeBox Booster



Grid	Grid Configuration	TN-S with 3Ph + N + PE (stationary)
	Frequency	60 Hz
	Input Power	50–110 kVA
	Input Voltage	480 V (+/- 10%)
	Input Current	Max. 160 A
Battery System	Warranty	Up to 10-year Cell Performance Warranty on battery cells
	Cell Chemistry	Lithium-ion
	Battery Capacity	140 kWh
	Cooling	Air- and liquid-cooled
ChargeBox Booster	Vehicle Charging Power	2 vehicles @ 160 kW // 1 vehicle @ 320 kW
	Electrical Efficiency	Up to 96 %*
	Noise Emissions	Low-noise charging
	L x W x H	4.2 ft x 4.2 ft x 4.5 ft + installation and underground cabling**
	Weight (total)	6,200 lbs (incl. cooling medium and batteries)
	Installation Options	Max 327 ft from dispenser, max 654 ft from grid connection
	Output Voltage	150–920 V DC (on the output side of the vehicle)
Communication Interfaces	Back-End Connection	Fiber-optic cable, 4G, Ethernet
	Protocol	OCPP 1.6
Ambient Conditions	Temperature Range	-22°F to 122°F
	Installation Options	Outdoors***
Battery System	Battery Safety	Battery safety according to IEC 62619 and UL 1973
	Power Converter Safety	Power converter safety according to EN 62477-1
	Conformity	CE, UL
	EMC	FCC part 15B
	Transport	UN 38.3 test directive for lithium batteries

ChargeBox Dispenser

Dimensions	L x W x H	1.3 ft x 1.3 ft (floor space) by 8.9 ft
	Weight	375 lbs
System	Screen	Sunlight-optimized 10-inch HD touch screen
	Authentication	RFID
	Energy Measurement	Calibrated DC energy meter (optional)
	Vandalism Class	IK09
	Noise Emissions	Noiseless, no discharge of cooling air
	Installation Options	Indoors and outdoors, up to 327 ft from ChargeBox Booster
Charging Cable	Cooling	Liquid-cooled
	Plug Type	CCS1 (NACS with adapter)
	Functionality	Flexible cable for conveniently reaching the charging sockets
	Cable Length	12.5 ft without ground contact when plugged in

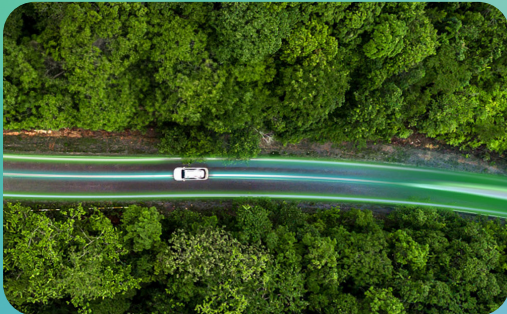


* Depending on the grid connection power/vehicle voltage/charging curve of the vehicle

** Above ground variant approx. 1.95 ft higher *** Depending on the approval of local authorities

About Tercero EV

Tercero EV is revolutionizing EV charging infrastructure by bringing energy-efficient charging technology to the masses. Our focus is on reducing grid impact and optimizing the charging process for both EV users and operators. Committed to accelerating the transition to sustainable energy, Tercero EV emphasizes the use of state-of-the-art, load-shedding electric vehicle chargers, setting a new efficiency standard in the industry. Are you ready for the ultimate charging experience?



Our mission is to provide fast, reliable, and accessible charging solutions that cater to the growing needs of electric vehicle owners and operators. We are passionate about innovating and expanding the EV charging network, ensuring that it is not just a utility, but a catalyst for sustainable change.



At Tercero EV, we are not just powering vehicles; we are empowering a cleaner, greener future for all.

Driving Change with **ADS-TEC Energy**

Partnering with ADS-TEC offers Tercero EV a gateway to the future of energy with their innovative, decentralized energy solutions. ADS-TEC excels in crafting state-of-the-art energy platforms, backed by long-term support. Tercero EV benefits from this partnership through exceptional hardware, software, and services that enhance their market operations.



ADS-TEC's platforms stand out for their adaptability across various functionalities like peak load management, grid services, renewable integration, and rapid EV charging on constrained grids, evolving with changing business landscapes.

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