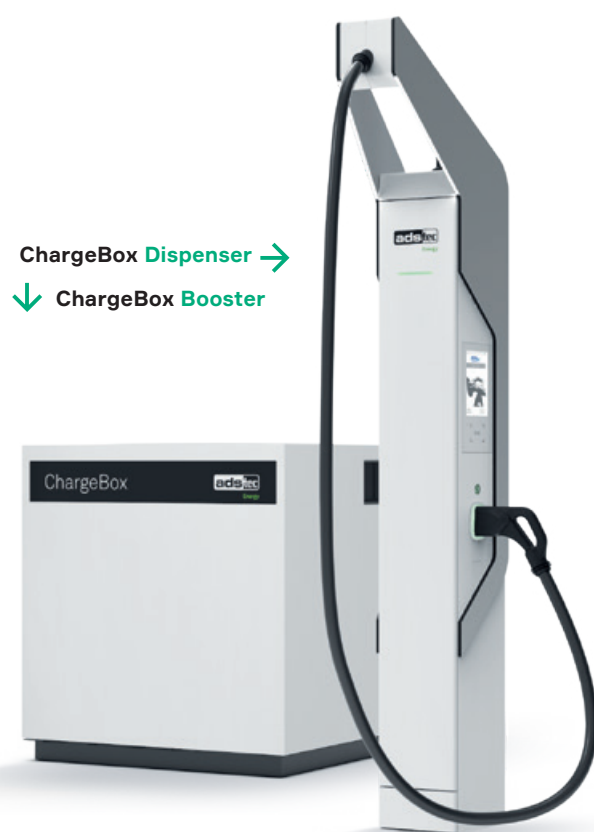


ChargeBox System

Ultra-fast charging
on power-limited grids

Nominated for the
**Deutscher
Zukunftspreis
2022**

(German Future Prize)



ChargeBox **Dispenser** →

↓ ChargeBox **Booster**

Up
to **320 kW**
charging power

5 x
more charging power on
power-limited grids

140 kWh
battery capacity

17 sq ft
footprint
(the smallest system of its class)

Up
to **980 ft**
between **grid connection**
and **charging point**

Noiseless
charging dispenser for
charging in urban areas



EV charging

Quickly implement ultra-fast charging solutions on power-limited grids.



Monitoring at the cell level

Sustainable use of the batteries for long-lasting operation.



Self-consumption*

Use renewable energy more efficiently.



Peak shaving*

Significantly reduce energy costs through the offset of peaks by EV charging.

*with external Energy Management System (EMS)

ChargeBox Booster

Power amplifier



Energy

| | | |
|---------------------------------|------------------------------|--|
| Grid | Type | TN-S with 3Ph + N + PE (stationary) |
| | Frequency | 60 Hz |
| | Input power | 50 kVA/110 kVA |
| | Input voltage | 480 V (+/- 10%) |
| | Input current | Max. 160 A |
| Battery system | Performance Warranty | Up to 10-year Cell Performance Warranty on battery cells (in combination with Advanced Service contract) |
| | Cell chemistry | Lithium-ion |
| | Battery capacity | 140 kWh |
| | Cooling | Air- and liquid-cooled |
| ChargeBox Booster | Vehicle charging power | Up to 1 x 320 kW/2 x 160 kW |
| | Electrical efficiency factor | Up to 96%* at nominal output power during charging process |
| | Target markets | US- CAN ** |
| | Noise emissions | Low-noise charging |
| | L x W x H | 4.2 x 4.2 x 4.5 ft plus installation and underground cabling*** |
| | Weight (total) | 3.1 tn. sh. (incl. cooling medium and batteries) |
| | Installation options | Max. 109 yd. from dispenser, max. 218 yd. from grid connection |
| | Output voltage | 150–920 V DC (on the output side to the vehicle) |
| Communication interfaces | Back-end connection | Fiber-optic cable, 4G, Ethernet |
| | Protocol | OCPP 1.6 |
| Environmental conditions | Temperature range | -22 °F to 122 °F |
| | Installation option | Outdoors**** |
| Standards/safety | Safety | Battery safety according to IEC 62619 and UL 1973 |
| | Conformity | CE, UL |
| | EMC | FCC part 15B |
| | Transport | UN 38.3 test directive for lithium batteries |



ChargeBox Dispenser

Charging station

| | | |
|-----------------------|----------------------|---|
| Dimensions | L x W x H | 1.3 x 1.3 ft (floor space) x 8.9 ft |
| | Weight | 375 lbs |
| System | Screen | 10-inch sunlight readable HD touch screen |
| | Authentication | RFID |
| | Energy measurement | Calibrated DC energy meter (optional) |
| | Vandalism class | IK09 |
| | Noise emissions | Silent, no cooling air outlet |
| | Installation options | Indoors and outdoors |
| Charging cable | Cooling | Liquid-cooled |
| | Plug type | CCS1 (also available in Europe with CCS2) |
| | Functionality | Flexible cable for easy access to charging sockets on the vehicle |
| | Cable length | 12.5 ft without ground contact when plugged in |



* Depending on the grid connection power/vehicle voltage/charging curve of the vehicle without auxiliary consumers

** Also available in Europe with CCS2 *** Above ground variant approx. 1.95 ft higher **** Depending on the approval of local authorities

Our products undergo continuous development. Content and illustrations subject to change. All product names are trademarks and registered trademarks of the relevant owner. Data sheet ChargeBox system US-EN 10-2023.



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