

# DC

**EVBOX**

## fast charging solution

50 kW

Charges up to 125 km in 30 minutes

Manages 3 cars with Smart Queuing

Smart power and grid management via an optional battery storage

Easy management of charging sessions

Robust, durable, and low maintenance

Compatible with every electric vehicle, designed to charge everywhere



[evbox.com](https://evbox.com)

## Electrical properties

### Charging capacity

### Charge modes

50 kW  
Mode 4 (DC charging - ChaDeMo and CCS 2)  
Mode 3 (AC charging - type 2) (optional)  
Mode 2 (Type E/F) (optional)  
(EN/IEC 61851)

### Fixed cable types

### Number of fixed cables

### Fixed cable length

CCS 2 / ChaDeMo / AC type 2  
1 to 3  
4,5 m  
3,75 m with cable auto-retract (optional)  
Type E/F / AC type 2

### Socket types

### Grid connection

### Connection capacity

IT, TT or TN-S  
400 V AC nominal / 60 A three phase (with battery pack)  
400 V AC nominal / 87 A three phase (without battery pack)  
2kW (Max 240 V AC nominal / 8 A max)

### Output power

### Mode 2

### Output power (via cable)

### Mode 3

### Output power (via socket)

### Mode 3

### Output power (via cable)

### Mode 4

### Efficiency at nominal output

### Stand-by power consumption

### Required service panel breaker

### Metering

95%  
700 W (with heater), 100 W (without heater)  
Depending local installation requirements for DC equipment  
S-Bus Class B-MID-certified kWh meter (IEC 62052-11, IEC 62053-21, EN 50470-1, EN 50470-3)

## Safety and certification

### Ground fault detection

### Housing fire ratings

### Temperature range

### Operating humidity

### Enclosure ratings

### CE certified

### Compliance

30 mA AC, 3 phase circuit breaker,  
10 mA DC, 125 A Am fuse on DC output  
M3 (NF P 92-501)  
-30°C to +50°C (operation)  
-40°C to +60°C (storage)  
Max. 95% non-condensing  
IP54 (EN/IEC 62262), IK10 (EN/IEC 60529)  
Yes  
EN/IEC 61851-1, EN/IEC 61851-21, EN/IEC 61851-22, EN/IEC 62056,  
EN/IEC 62196-1, EN/IEC 62196-2, EN/IEC IEC 62305-4, EN/IEC 60950,  
Low Voltage Directive 2014/35/EU, ChaDeMo, ZE-Ready, EDF HN 64-S-41,  
EDF HN 64-S-43, EDF HN 64-S-52, UTE C 12.101, UTE C15.100, UTE C15.103,  
UTE C15.106, UTE C15.107  
EN/IEC 61000-2-2, EN/IEC 61000-3-2, EN/IEC 61000-3-12, EN/IEC 61000-4-2,  
EN/IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-5, EN/IEC 61000-4-11,  
CISPR 16-2-1, CISPR 16-2-3, CISPR 22, EMC Directive 2014/30/EU

### EMI compliance

## Connectivity and installation

### Authorization

### Status indication / HMI

### Communication standard

### Communication protocol

### Positioning

RFID / NFC (ISO 14443, ISO 18092, ISO 15693, ISO 18000-3,  
Calypso, Mifare Ultralight C , -Classic, -Desfire)  
2 LED Indicators / 7" LCD screen  
GSM / GPRS / UMTS or Ethernet  
OCPP 1.5 S, 1.6 S  
GPS

## Physical properties

### Housing

### Dimensions (WxHxD)

### Weight

### Mounting

### Maximum installation height

Galvanized steel (structure), aluminum (casing), stainless steel (feet)  
820 x 1920 x 450 mm (Bi-standard QuickCharger Unit)  
920 x 1920 x 450 mm (Tri-standard QuickCharger Unit)  
395 kg (with battery pack) / 350 kg (without battery pack)  
Floor / Ground (optional with clamping / sealing kit)  
+2000m above sea level

