EVBOX

Depot Box

The EVBox Depot Box is a DC charging output solution for depot and fleet applications, where a robust and scalable charging interface is required.

The Depot Box connects to an EVBox Power Hub and provides a direct DC link between the centralized power system and the vehicle, enabling simple and efficient deployment of charging points across depot environments. Its architecture allows operators to expand charging capacity without adding power conversion units, reducing system complexity and installation costs.

The Depot Box supports high-power DC charging delivering **up to 500A per output**, depending on the upstream system. A single EVBox Power Hub can supply energy to **as many as six Depot Boxes**, enabling efficient distribution of power across multiple charging points. The system supports charging at **voltages up to 1000 VDC via CCS2**, ensuring compatibility with high-voltage vehicles, while enabling flexible and scalable depot layouts for heavy-duty fleet operations.

Technical datasheet

EVBox Depot Box

The EVBox Depot Box operates as a DC charging output within a centralized EVBox charging system.

- Connected to an EVBox Power Hub via DC bus
- Delivers direct DC power to the vehicle through CCS2
- Enables multiple distributed charging outputs from a single power source

A single EVBox Power Hub can supply energy to up to six Depot Boxes, enabling efficient power distribution and scalable depot configurations.

Key Features

- Direct DC output from centralized power system
- High-power charging capability up to 500A per output
- CCS2 interface supporting up to 1000 VDC – 250A/BOOST 500A charging
- Silent operation (fanless / no noise emission)
- Industrial enclosure: IP66 / IK10
- Optional RGB charge status indicator
- Designed for demanding fleet environments

Typical Application

- Bus depots
- Truck depots
- Logistics fleets
- Airport ground fleets
- City fleets

DC INPUT

Input type	DC bus from EVBox Power Hub
Voltage range	150 - 1000VDC
Maximum current	500A
Maximum power	System dependent

DC OUTPUT

Connector type	CCS2
voltage range	150 - 1000 VDC
Cable type	Dry cable
Cable rating	250A / 375A
Boost current	Up to 500A

COMMUNICATION & SYSTEM INTEGRATION

Charging communication	ISO 15118 / DIN SPEC 70121
System control, backend connectivity and smart charging features	Managed by EVBox charging platform (via EVBox Power Hub)
Authentification and advanced features	Handled at system level (e.g Plug & Charge, backend integration)

SAFETY & PROTECTION

High-current DC cable design for industrial use

Thermal management and current limitation managed at system level

Designed to comply with IEC 61851 requirements

CONNECTIVITY

Communication protocol to the EV	CCS2: ISO/IEC 15118-2, ISO/IEC 15118-20, EN 61851-24/DIN SPEC 70121

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-30°C to +55°C
Storage temperature	-40°C to +70°C
Operating humidity	10% to 95% RH, non-condensing
Cooling	Passive
Noise level	Silent (fanless)

MECHANICAL SPECIFICATIONS

Enclosure	Powder coated galvanized steel
Protection ratings	IP66 / IK10
Installation	Wall or structure mounted
Dimensions (W x H x D)	400 x 600 x 250mm
Weight	To be specified

OPTIONS & ACCESSORIES

RGB status indicator	External visual charging status display
Cable Management System (CMS)	Improved cable handling and ergonomics
DC meters	– Eichrecht (Germany and Austria) – MID / LNE (LNE: for France; MID: for the rest of Europe)

Specifications and performance data contain average values within existing specification tolerances and are subject to change without prior notice.