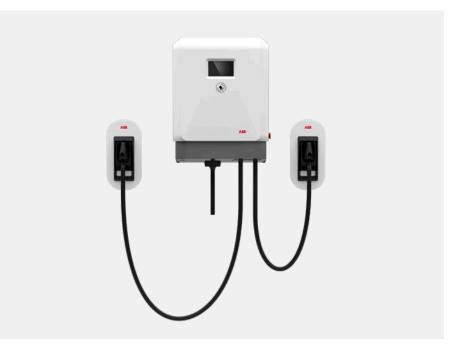


PRODUCT LEAFLET

Smarter Mobility

DC wallbox



The ABB DC wallbox is a compact 24 kW DC fast charger for use at offices, shopping areas and car dealerships.

The ABB DC wallbox is a compact 24 kW DC fast charger with one or two outlets supporting CCS and CHAdeMO.

Operating the wallbox is easy thanks to a 7" full color, daylight readable touchscreen display. This includes starting and stopping of charge sessions, progress indication during charging, help menus, language selection, and PIN code access.

Connectivity is key to success in EV charging. The DC wallbox features ABB Ability Connected Services to enable authentication, payment, monitoring, remote diagnostics and repair, as well as over-the-air updates and upgrades.

DC wallbox prefered over AC wallbox

When charging with AC equipment, charging power is often limited by the onboard converter of the EV. Onboard converters are usually rated rated 3 to 7 kW. Any additional power the AC charging station could provide, remains unused.

With the DC wallbox, 24 kW peak DC power is provided directly to the battery, bypassing the limitations of the EV's onboard converter.

Applications

- Office, workplace
- Hotel and hospitality
- · Parking structures
- Dealerships
- Urban fleets
- Public or private campus
- Sensitive grid applications

Main features

- 24 kW peak, 22.5 kW continuous fast charging
- 60 A high output current
- Future proof due to DC output voltage range from 150 to 920 $\rm V_{\rm pc}$ supporting todays and tomorrows cars
- Single or dual outlet: CCS and CHAdeMO
- Daylight readable 7" full color touchscreen display
- Future proof connectivity:
 - OCPP
 - Capability for remote services
- Compact design
- Robust all-weather enclosure for indoor and outdoor use
- · RFID reader

Key optional features

- On-screen PIN code authorization
- Input current limiting software to match site requirements
- Web tools for statistics, configuration, access management, remote diagnostics and repair
- Integration with back offices and payment platforms
- Customized branding possibilities

Configurations

The DC wallbox is available in the following configurations:

- Single outlet CCS1
- Single outlet CCS2
- Dual outlet CCS1 + CHAdeMO
- Dual outlet CCS2 + CHAdeMO



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|---------------------------|---|
| DC output power | 24 kW peak - 22.5 kW continuous |
| DC output voltage | 150 - 920 V _{DC} |
| DC output current | 60 A |
| User interface | 7" full color touchscreen display |
| RFID system | ISO/IEC14443A/B, ISO/ IEC15693, NFC reader mode, Mifare, Calypso |
| Network connection | GSM / 3G modem 10/100 Base-T Ethernet |
| Environment | Indoor / outdoor |
| Operating temperature | -35 °C to +55 °C (de-rating characteristic applies) |
| Protection | IP54, indoor and outdoor |
| Dimensions (H x W x D) | 770 x 584 x 300 mm |
| Charge cable | cable lengths 3.5 or 7 m |
| Mass | 60kg excluding backplate (10 kg) and cables |
| CE models | |
| Charging protocols | CCS 2 CHAdeMO |
| AC Input power connection | 3P + N + PE |
| Input voltage range | 400 V _{AC} +/-10% (50/60 Hz) |
| Max. rated input current | 3 x 40 A Current limiting options available |
| Efficiency | 94% at nominal output power |
| Compliance and safety | CE EMC Class A today, EMC Class B Q3 2019 |
| UL models | |
| Charging protocols | CCS 1 CHAdeMO |
| AC Input power connection | Single phase: L1, N, PE Split phase: L1, L2, PE |
| Input voltage range | 200 - 240 V _{AC} +/-10% (50/60 Hz) |
| Max. rated input current | 100 A Current limiting options available |
| Efficiency | 94% at nominal output power |
| Compliance and safety | UL, FCC |

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