

DC WALLBOX FAST CHARGER WITH CHARGING CABLE 24 kW

Thanks to its compact design, the DC Fast Charger wallbox can be installed in less than two hours, either on a wall or on a pedestal. Its rated 24 kW output power will charge all EV cars typically in about one hour via its single charging cable with a CCS Combo 2 coupler. For access control, an internal RFID module is provided and allows for accounting the consumed charging current with a backend. Based on a unique design without air filter, the maintenance needs are greatly reduced. Adaptable thanks to its customizable front panel and user menu, it is an ideal solution for semi-public applications providing fast charging points at car dealerships, service centers, or for any utility vehicle or enterprise fleet.



General information

Model	DC Fast Charger
Part number	-
EAN number	-
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	ABL Fast Charger Wallbox, printed quick start guide

Input

Power supply	for supply cable sizes up to 5 x 6 mm ²
Rated voltage	400 VAC, ±10%, 50 Hz (3 ph + PE)
Rated current	35 A
Inrush current	50 A (cold start)
Power factor	> 0.99
Earth leakage current	3.5 mA (max)
Efficiency	93,5%
Standby consumption	< 16W

Output

Connection system	Charging cable with CCS combo 2 connector, approx. 4 m
Output voltage	150 V to 550 V
Output current	0 to 25 A (28 A max.)
Output power	24 kW max.

Protection

Input UVP & OVP	± 20% (@ 400 VAC, external fuse)
Output UVP & OCP	580V (30A, 1,000 VDC fuse)
Output RCP	Reverse current protection via 1,200 V Internal Diode
Over temperature	70° C at heatsink, output power derating @ >50° C

Control

Communication	internal GSM module, OCPP 1.6
RFID card reader	integrated, communication with backend via Mifare Ultralight and Mifare Desfire
LCD	integrated

Isolation

Input – Output	4 kV
PE – Input / PE – Output	2 kV
Output – Controls	4 kV

Operating conditions

Storage temperature	-20°C to 70°C
Operating temperature	-20°C to 50°C
Relative humidity	5 to 90%, no condensation
Degree of protection (housing)	IP54 (IP65)

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied screws
Material (housing)	Metal
Housing color	RAL9005, black
IK code	IK 10
Dimensions (HxWxD)	860 x 510 x 240 mm
Weight	approx. 55 kg