Overview

The ABB A400 is a powerful 400kW DC Fast charger engineered to deliver efficient and reliable charging for electric vehicle fleets. It offers sequential and simultaneous (split power) charging with dynamic power sharing in 50kW increments, enhancing operational flexibility. This charger is available as NEVI compliant, accommodating many funding opportunity requirements. The ABB A400 combines powerful performance with a compact design for easy installation in constrained spaces.

ABB A400 Dual CCS1 with Credit Card Reader

Primary Use Cases

- Auto dealerships, for charging available inventory
- A variety of fleet parking applications where DC charging is needed in minimal space

Key Benefits

- Available as NEVI compliant
- Dynamic power sharing in 50kW increments
- Sequential and simultaneous (split power) charging
- Integrated cable management
- Fast charging in a compact, space-saving footprint
- Access control via RFID (cards by request)
- Credit card reader or payment by mobile app (by request)

Managed by

InControl™

Charge Management Software (CMS)

- User-friendly, integrates with existing systems
- Maximize fleet productivity
- Minimize charging-related energy costs
- Mitigate demand charges with load management

Warranty & Maintenance Options
... backed by an in-house team of service experts

- Standard 2-year (24 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable options to cover parts, labor, uptime SLAs, & more

Charger Technical Specifications

ABB A400
400kW DC Fast charger

Configuration	Value
Voltage	480 Vac, WYE
AC Input Power Connection	3 Phase: L1, L2, L3, GND
Frequency	60Hz
Recommended Breaker	650A
SCCR	65kA
Max Current Draw	510A
Power Factor	>0.99
THD (Total Harmonic Distortion)	<3%

Output Parameters	Value
Voltage	150-980V
Current - Max	2x600A
Power - Max	400kW
System Efficiency - Max	Up to 97%

Controls & Interface	Value
HMI	32in Full color LCD (Interface: 4 push buttons)
Communication	OCPP 1.6J / OCPP 2.0.1
Network Connection	Dual Sim, GSM/3G/4G/5G, 10/100 Base-T Ethernet
RFID	Mifare ISO 14443 A/B to part 4 and ISO15693, ISO18092/ECMA-340 (NFC). Others available on request (Calypso, Ultralight, PayPass, HID, and more)
Language	English, French, Spanish, German, Italian, Norwegian, Dutch (others via software upgrade)

Environment	Value
Temperature - Operating	-22ºF to 131ºF / -30ºC to 55ºC*
Temperature - Storage	23ºF to 104ºF / -5ºC to 40ºC
Humidity	Up to 95%, non-condensing
Altitude - Operating	6562 ft (2000 m)
Protection - Intrusion	IP54, NEMA 3R; indoor and outdoor rated

Cables & Connectors	Value
Connector Types	Patented two-phase cooling technology (CCS1, CCS2), Air-cooled J3400 (NACS)
Cable Length	Length: 15.7ft (4.8m); Reach: 11.4ft (3.5m)
	Length: 22.9ft (7m); Reach: 20.7ft (6.3m)

General	Value
Materials & Finish	Combination OD steel and aluminum
Supported Protocols	DIN SPEC 70121, ISO 15118-2, ISO 15118-20, ISO 15118-3, Auto charge, Plug and Charge
Dimensions	(D x W x H) 31.1in x 31.9in x 88.8in / 790mm x 810mm x 2256mm
Weight	1610lbs / 730kg
Certifications	UL2202, UL2231-1, UL2231-2, CSA 22.2 No.346:22

*Derating characteristics apply at extreme temperatures

Charger Configurations*

ABB A400
400kW DC Fast charger

Product Code	Product Configuration
A400-C1C1-R	A400 CCS1 (400A, 15ft) / CCS1 (400A, 15ft)

*Please note, the variants listed are representative and may not be a comprehensive list of available options. Consult with your InCharge Energy sales representative.