



ICE-120 All-In-One 120kW DC Fast Charger



Description

The In-Charge Energy ICE-120 is an All-in-One DC Fast Charger, which supports both CCS and CHAdeMO standards with one or two connectors. This DC All-in-One is designed for easy installation and high reliability. This product is easy to operate with an intuitive touchscreen display that facilitates access control, charging status, and help menus. The ICE-120 is ideal for auto dealers, fleet charging and a variety of parking applications where DC charging is needed in minimal space.

Key Benefits and Features

- 150 to 1000Vdc output voltage range supports new high voltage DC charging voltages
- 120kW rated output power
- User friendly control interface allows for PIN or RFID accessibility
- Tempered glass touchscreen LCD display for added durability and daylight readability
- OCPP 1.6 standard supports integration into In-Control, In-Charge’s EVSE management platform
- LTE Modem and LAN for connectivity to In-Control
- Compact design for space saving power-to-footprint ratio
- TUV certification to UL 2202 to ensure safety
- 480V 3-phase input for high efficiency conversion
- TUV Certified



The ICE-60, 120, and 180 share the same housing

Specifications

- Available with single CCS, Dual CCS1 and CCS1 & CHAdeMO connectors
- DIN70212 and ISO15118-2 protocols supported
- Materials and Finish: Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
- Dimensions (D * W * H): 29.5" * 27.5" * 68.9" (H) / 750mm * 700mm * 1750mm
- Weight: 472lbs / 214kg

Ordering Information

Options	ICE-120
ICE-120kW DC Fastcharger - Dual CCS1	IDC-120-480-C1C1-AC1R
ICE-120kW DC Fastcharger - CCS1 & CHAdeMO	IDC-120-480-C1CH-AC1R



InCharge[™]

Technical Specifications

Input Parameters	Value
Voltage	480 Vac +/- 10 %
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	60 Hz
Max Current Draw	153A
Recommended breaker	200A
Power factor	>0.99
THD - Current	< 5%
Output Parameters	Value
Voltage	150 - 1000Vdc
Current - Max	400A@300V / 240A@500V / 120A@1000V
Power - Max	120kW
System Efficiency - Max	>95%
Controls and Interface	Value
Charging Connectors	CCS1, CHAdeMO
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	4G/5G modem; LAN 10/100M
RFID	ISO14443 Type A & S50, S70 MIFARE
Language	English (others available on request)
Environment	Value
Temperature - Operating	-4°F to 113°F/ -20°C to +45°C *
Temperature - Storage	-40°F to 158°F/-40°C to +75°C
Humidity	0 - 95%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP54, NEMA 3R; indoor and outdoor rated
General	Value
Cable Length	16.4 ft (25ft available upon request)
Safety and EMI	UL2202, CE, EN6100-6-3, EN61851-1/-23/-24

* Derating characteristics apply at extreme temperatures