

Overview

The ICE-120 is a robust 120kW DC Fast charger designed to provide rapid and efficient charging for electric vehicle fleets. It supports both sequential and simultaneous (split power) charging, enhancing its operational flexibility. The innovative chassis design helps future-proof fleet charging, as it is upgradable to 180kW without a new installation. The compact ICE-120 is easy to install and ideal for constrained spaces.

Primary Use Cases

- Auto dealerships, for charging available inventory and for customer or public charging
- School electric bus fleets, particularly for long routes or fast midday recharge
- A variety of fleet parking applications where DC charging is needed in minimal space

Key Benefits

- Compatible with all industry-standard connector types, including NACS
- Sequential and simultaneous (split power) charging
- High current cable configurations available for even faster charging
- Fast charging in a compact, space-saving footprint
- Access control via PIN or RFID card (cards by request)
- Credit card reader & payment by mobile app (by request)



ICE-120 Dual CCS1 with Light Bar Cable Retractor (accessory sold separately)



Managed by



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, and more

Configuration	Value
Voltage	480 Vac +/- 10%, WYE
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	60Hz
Recommended Breaker	200A 3W+G circuit
SCCR	25kA
Max Current Draw	154A
Power Factor	>0.99
THD (Total Harmonic Distortion)	<5%
Output Parameters	Value
Voltage	150-1000Vdc
Current - Max	200A@300V / 200A@500V / 120A@1000V High Current: 300A@300V
Power - Max	120kW
System Efficiency - Max	>95%
Controls & Interface	Value
HMI	7in 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 upon request)
Environment	Value
Temperature - Operating	-4°F to 113°F / -20°C to +45°C *(Optional: -40°F / -40°C)
Temperature - Storage	-40°F to 158°F / -40°C to +75°C
Humidity	0 - 95%
Altitude - Operating	6560ft (2000m)
Protection - Intrusion	IP54, NEMA 3R; indoor and outdoor rated
Cables & Connectors	Value
Connector Types	CCS1, NACS, CHAdeMO, GBT
Connector Technology	Segmented
Cable Length	CCS1: 16.4ft (25ft available upon request) NACS: 16ft CHAdeMO: 18ft GBT: 20ft
General	Value
Materials & Finish	Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
Supported Protocols	DIN70212 and ISO15118-2
Dimensions	(D x W x H) 29.5 in x 27.5 in x 68.9 in / 750mm x 700mm x 1750mm
Weight	804lbs / 364kg
Certifications	UL2202, CE, EN6100-6-3, EN61851-1/-23/-24
UL/TUV	Certificate Number: CU 72301589

*Derating characteristics apply at extreme temperatures

ICE-120 All-in-One

120kW DC Fast charger

Product Code	Product Configuration
I120-C1C1-R	ICE-120 CCS1 (200A, 16ft) / CCS1 (200A, 16ft)
I120-C1C1L-R	ICE-120 CCS1 (200A, 16ft) / CCS1 Long (200A, 25ft)
I120-C1LC1L-R	ICE-120 CCS1 Long (200A, 25ft) / CCS1 Long (200A, 25ft)
I120-C1C1-A	ICE-120 CCS1 (200A, 16ft) / CCS1 (200A, 16ft), EV Connect Mobile Payment App
I120-C1C1-C	ICE-120 CCS1 (200A, 16ft) / CCS1 (200A, 16ft), Credit Card Reader
I120-C1LC1L-C	ICE-120 CCS1 Long (200A, 25ft) / CCS1 Long (200A, 25ft), Credit Card Reader
I120-C1NS-R	ICE-120 CCS1 (200A, 16ft) / NACS (200A, 16ft)
I120-C1CH-R	ICE-120 CCS1 (200A, 16ft) / CHAdeMO (125A, 18ft)
I120-C1CH-C	ICE-120 CCS1 (200A, 16ft) / CHAdeMO (125A, 18ft), Credit Card Reader
I120-C1GB-R	ICE-120 CCS1 (200A, 16ft) / GBT (200A, 20ft)
I120H-C1C1-R	ICE-120 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft)
I120H-C1LC1L-R	ICE-120 High Current CCS1 Long / CCS1 Long
I120H-C1C1-A	ICE-120 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft), EV Connect Mobile Payment App
I120H-C1LC1L-A	ICE-120 High Current CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), EV Connect Mobile Payment App
I120H-C1C1-C	ICE-120 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft), Credit Card Reader
I120H-C1LC1L-C	ICE-120 High Current CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), Credit Card Reader
I120H-C1NS-R	ICE-120 High Current CCS1 (300A, 16ft) / NACS (380A, 16ft)
I120H-C1NS-C	ICE-120 High Current CCS1 (300A, 16ft) / NACS (380A, 16ft), Credit Card Reader

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