



In-Charge™

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 high power DC charging is needed in minimal space.

Key Benefits and Features

- 150 to 1000Vdc output voltage range supports new high voltage DC charging voltages
- 20kW 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

General 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



ICE-120 All-in-One

Ordering Information

Description	Part Number
120kW DC Fast Charger - Single CCS1	ICE-120-C
120kW DC Fast Charger - CCS1 & CHAdeMO	ICE-120-CJ
120kW DC Fast Charger - Dual CCS1	ICE-120-CC

Technical Parameters

Input Parameters	Value	Units
Voltage	260 to 530	Vac
AC Input Power Connection	3-phases + N + GND	
Frequency	45 - 65	Hz
Power Factor	> 0.99	
THD - Current	<5.0	%
Output Parameters	Value	Units
Voltage	150 to 1000	Vdc
Voltage Accuracy	<+/- 0.5	%
Current - Max.	400A @ 300V/ 240A @500V/ 120A @ 1000V	Adc
Power - Max.	120	kW
System Efficiency - Max.	>95	%
Controls and Interface	Value	Units
Charging Connectors	CCSI, CHAdeMO	
HMI	7" TFT LCD Display	
Communication	OCPP 1.6J	
Network Connection	LAN 10M/100M; LTE modem	
RFID	ISO14443 Type A & S50, S70 MIFARE	
Charging Modes	Auto, Time, Quantity, Energy, SOC	
Language	English, French and Spanish available	
Environment	Value	Units
Temperature - Operating (See curve)	-20 to +45 full load, power derated to 65C	C
Temperature - Storage	-40 to +75	C
Humidity	0 - 95	%
Altitude - Operating	Power derates 15% every 1 km above 2 km	km
Protection - Intrusion	IP54/ K10 cabinet/K08 screen	
General	Value	Units
Cable Length	16.4	Feet
Cable Length - Optional	25 (CCSI only - contact InCharge)	Feet
Safety and EMI	UL2202, CE, EN6100-6-3, EN61851-1/-23/-24	