

ICE-175 and 350 Split Systems 175/350kW DC Fast Charger



Description

The In-Charge Energy ICE-175 and ICE-350 are distributed High Power DC Fast Chargers, that support both CCS and CHAdeMO standards with one or two connectors. This DC Split System is designed to provide high power charging with distributed dispenser and power conversion units. This product is easy to operate with an intuitive touchscreen display that facilitates access control, charging status, and help menus. The ICE-175 and 350 are ideal for fleet charging and a variety of parking applications where higher power DC charging is needed with minimal space next to the electric vehicle parking spot.

Key Benefits and Features

- 150 to 920Vdc output voltage range supports new high voltage DC charging voltages
- 175kW (single cabinet) or 350kW (dual cabinet) rated output power
- Distributed system where dispenser and power conversion cabinet are separated
- Liquid cooled cabled
- 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
- 480V 3-phase input for high efficiency conversion



ICE-175 Cabinet with Dispensers

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
- Power Cabinet Dimensions (D x W x H): 30.3” x 46.1” x 79.9” (H) / 770mm x 1170mm x 2030mm
- Dispenser Dimensions (D x W x H): 16.7” x 23.2” x 96.8” / 425mm x 590mm x 2458mm
- Power Cabinet Weight: 2954lbs / 1340kg
- Dispenser Weight: 250kg / 551lbs

Options	SKUs
ICE- Split System 175kW - Cabinet	ADCC-175-480-1
ICE-500A C Dispenser- CCS1 500A	ADCD-500-C1-CR
ICE-500A CJ Dispenser- CCS1 500A & CHAdeMO 200A	ADCD-500-200-C1CH-CR

Technical Specifications

Input Parameters	Value
Voltage	260Vac - 530Vac
AC Input Power Connection	3-phase: L1, L2, L3, GND
Recommended Breaker	231A
Max current draw	300A
Frequency	45 - 65 Hz
Power factor	>0.97
THD - Current	< 8%
Output Parameters	Value
Voltage	150 - 1000Vdc
Current - Max	500A@300V/ 960A@500V/ 521A@920V/ 480A@1000V
Power - Max	175kW (Single Cabinet), 350kW(Dual Cabinet)
System Efficiency - Max	>94%
Controls and Interface	Value
Charging Connectors	Single CCS1, Dual CCS1, and CCS1+CHAdeMO
HMI	7" capacitive Touch Screen LCD
Communication	OCPP 1.6J
Network Connection	4G / LAN 10M/100M
RFID	Yes
Language	English (others available on request)
Environment	Value
Temperature - Operating	-31F to 131F / -35°C to +55°C*
Temperature - Storage	41F - 104F / 5°C to 40°C
Humidity	5 - 85%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP54, NEMA 3R
General	Value
Cable Length	17ft (5.3m)
Safety and EMI	UL2202, EN 61851-1, EN 61851-23, EN 61851-24

*power derating every 5%/C above 50C