



# ICE-480 Split Systems

## 480kW DC Fast Charger



### Description

The InCharge Energy ICE-480 is a distributed High Power DC Fast Charger, which supports 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-480 is 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 1000Vdc output voltage range supports new high voltage DC charging voltages
- 480kW rated output power
- Distributed system where dispenser and power conversion cabinet are separated up to 300ft
- 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
- TUV certification to UL 2202 to ensure safety
- 480V 3-phase input for high efficiency conversion



### Specifications

- Available with single CCS, Dual CCS1 and CCS1 & CHAdeMO connectors
- DIN70212 and ISO15118-2 protocols supported
- Power Cabinet Dimensions (D x W x H): 31.5" x 31.5" x 72.8" (H) / 800mm x 800mm x 1850mm Dispenser Dimensions (D x W x H): 9.4" x 19.6" x 59" / 240mm x 500mm x 1500mm
- Power Cabinet Weight: 926lbs / 420kg
- Dispenser Weight: 100kg / 220lbs



ICE-480 with Split Dispensers

### Ordering Information

Configuration	SKU
ICE- Split System 480kW - Cabinet	IDCC-480-480-1
ICE-500A CC Dispenser- CCS1 500A and CCS1 200A	IDCD-500-200-C1C1-CR
ICE-300A CC Dispenser- Dual CCS1 300A	IDCD-300-300-C1C1-CR
ICE-300A CC Dispenser- Dual CCS1 300A	IDCD-200-200-C1CH-CR

## Technical Specifications

Configuration	SKU
Voltage	260Vac - 530Vac
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	45 - 65 Hz
Power factor	>0.99
THD - Current	< 5%
Output Parameters	Value
Voltage	150 - 1000Vdc
Current - Max	500A@300V/ 960A@500V/ 521A@920V/ 480A@1000V
Power - Max	480kW
System Efficiency - Max	>95%
Controls and Interface	Value
Charging Connectors	2 CCS / CCS+CHAdEMO
HMI	7" capacitive Touch Screen LCD
Communication	OCPP 1.6J
Network Connection	LAN 10M/100M and inner LTE wireless modem support
RFID	Yes
Language	English (others available on request)
Environment	Value
Temperature - Operating	-4F - 158F / -20 - +70°C *
Temperature - Storage	-40F - 167F / -40 - +75°C
Humidity	0 - 95%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP55 for the Dispenser, IP54 for the Power Cube
General	Value
Cable Length	19.6ft (6m)
Safety and EMI	UL2202, EN 61851-1, EN 61851-23, EN 61851-24

\* Derating characteristics apply at extreme temperatures

