

## Overview

The InCharge Energy ICE-480 is a distributed 480kW high-power yet compact DC Fast charger with distributed dispenser and power conversion units. The ICE-480 provides high power charging to up to 4 EVs simultaneously with 8 EVs plugged in - even within space constraints. User friendly and easy to operate, the ICE-480 provides dynamic power sharing in 120kW increments – with a single connector capable of providing up to 480kW (output limited by vehicle capacity).

The ICE-480 is ideal for

- quicker, efficient charging of up to 4 EVs simultaneously
- most fleet use cases, even with space constrained layouts



ICE-480 Power Cabinet

## Key Benefits

- 150 to 1000Vdc output voltage range
- Charges up to 4 vehicles simultaneously, with two dispensers drawing from the cabinet
- 480kW rated output power
- Distributed system where dispenser and power conversion cabinet can be separated by up to 295 feet (90 m)
- Compact design for space saving power-to-footprint ratio
- Access control via PIN or RFID card (cards by request)
- Credit Card Reader + Payment by mobile app (upon request)
- OCPP 1.6 standard supports interoperability
- LTE modem and LAN for connectivity to InControl
- 480V 3-phase input for high efficiency conversion
- Standard 2-year (24 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable warranty and maintenance options - backed by an in-house team of service experts



Slim Line Dispensers



Optimize fleet operations and maximize savings with InCharge's proprietary, intuitive and scalable EV fleet charge management software (CMS)

## Configurations\*

Product	Configuration	SKUs
ICE480 Power Conversion Cabinet	ICE-480 Power Cabinet	IDCC-480-480-1
Dual CCS1 (200A) Cables (19.6 ft)	ICE Dispenser CCS1 (200A) / CCS1 (200A)	IDCD-200-200-C1C1-CR
Dual CCS1 (300A) Cables (19.6 ft)	ICE Dispenser CCS1 (300A) / CCS1 (300A)	IDCD-300-300-C1C1-CR
Dual CCS1 (500A) & CCS1 (200A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (200A)	IDCD-500-200-C1C1-CR
Dual CCS1 (500A) & CCS1 (300A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (300A)	IDCD-500-300-C1C1-CR
Dual CCS1 (500A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (500A)	IDCD-500-500-C1C1-CR
Dual CCS1 (500A) & NACS (200A) Cables	ICE Dispenser CCS1 (500A) / NACS (200A)	IDCD-500-200-C1NA-CR

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

## Charger Technical Specifications

- Available with dual connectors: CCS1-CCS1, CCS1-NACS, or CCS1-CHAdeMO | Cable length: 19.6 ft
- Materials and Finish: Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
- DIN70212 and ISO15118-2 protocols supported
- Power Cabinet Dimensions: (D x W x H) 31.5 in x 31.5 in x 72.8 in / 800 mm x 800mm x 1850 mm | Weight: 926lbs / 420kg
- Slim Line Dispenser Dimensions: (D x W x H) 9.4 in x 19.6 in x 59 in / 240mm x 500mm x 1500mm | Weight: 220lbs / 100kg

Input Parameters	Value
Input Voltage	260-530Vac
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	45-65 Hz
Recommended Breaker	Dual 400A 4W+G Circuit
Max Current Draw	2 x 312A
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 & Interface	Value
HMI	7" capacitive Touch Screen LCD
Communication	OCPP 1.6J
Network Connection	LAN 10M/100M and inner LTE wireless modem support
RFID	ISO14443 Type A & S50, S70 MIFARE
Language	English (others available on request)
Environment	Value
Temperature - Operating	-4°F to 158°F/ -20°C to +70°C*
Temperature - Storage	-40°F to 167°F/ -40°C to +75°C
Humidity	0-95%
Altitude - Operating	6560 ft (2000 m)
Protection - Intrusion	Slim Line Dispenser: IP55   Power Cabinet: IP54   NEMA 3R (both)
General	Value
Certifications	UL 2202 / EN 61851-1 / EN 61851-23 / EN 61851-24
Cabinet UL/TUV	Certificate Number: CU 72239032 01
Dispenser UL/TUV	Certificate Number: CU 72239033 01

\*Derating characteristics apply at extreme temperatures