

Overview

The ICE-480 is a 480kW high-power DC Fast charger split system, capable of efficiently charging 8 vehicles simultaneously with power sharing in 60kW increments – or of delivering up to 480kW by a single connector when 1 EV is plugged in. This system is comprised of a Power Cabinet and up to 4 Slim Line Dispensers or up to 8 Micro Dispensers.

Primary Use Cases

- Most fleet charging use cases, where efficient charging is prioritized
- Charging depots supporting a variety of EVs along major routes
- Various space-constrained charging and parking locations with fast charging needs

Key Benefits

- Charges up to 8 vehicles simultaneously
- Maximizes efficiency, with power sharing in 60kW increments
- Offers up to 480kW output from a single connector when charging 1 EV
- Installation flexibility with up to 295ft (90m) between power cabinet and dispensers
- 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 (by request)

Managed by



Charge Management Software (CMS)

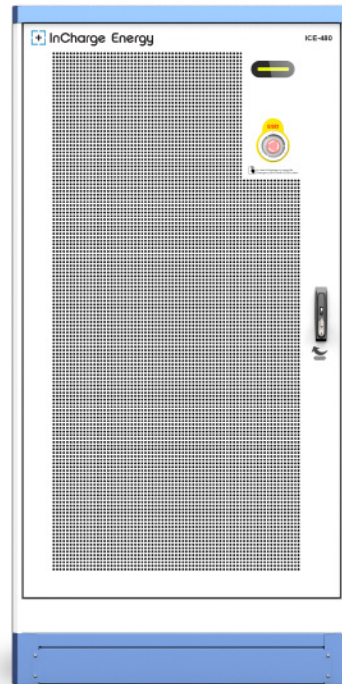
- User-friendly, integrates with existing systems
- Maximize fleet productivity
- Minimize charging-related energy costs
- Mitigate demand charges with load management



Warranty & Maintenance Options

... backed by an in-house team of service experts

- Standard 3-year (36 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable options to cover parts, labor, uptime SLAs, and more



ICE-480 Power Conversion Cabinet



Slim Line Dispenser
(Light Bar with Cable Retractors included)



Micro Dispenser
(Pedestal not included)



Input Parameters	Value
Input Voltage	480 Vac
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	60Hz
Recommended Breaker	Dual 400A 3W+G Circuit
Max Current Draw	2 x 302A
Power Factor	>0.99
THD (Total Harmonic Distortion)	<5%
Output Parameters	Value
Voltage	150-1000Vdc
Current - Max	500A@300V / 960A@500V / 521A@920V / 480A@1000V
Power - Max	480kW
System Efficiency - Max	>94.5%
Controls & Interface	Value
HMI	7in capacitive Touch Screen LCD (Slim Line Dispenser only)
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	-13°F to 122°F / -25°C to 50°C
Temperature - Storage	-40°F to 158°F / -40°C to 70°C
Humidity	0–95%
Altitude - Operating	6560ft (2000m)
Protection - Intrusion	IP55 for dispensers, IP54 for cabinet, NEMA 3R for both
Cables & Connectors	Value
Connector Types	CCS1, CCS2, NACS, CHAdeMO, GBT
Connector Technology	Segmented, Dual Canted Coil (liquid cooled cables)
Cable Length	Slim Line Dispenser: 16.4ft (25ft available upon request); Micro Dispenser: 25ft or 32ft
General	Value
Materials & Finish	Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
Supported Protocols	DIN70212 and ISO15118-2
Dimensions	Power Cabinet: (D x W x H) 31.5in x 39.37in x 78.74in / 800mm x 1000mm x 2000mm Slim Line Dispenser: (D x W x H) 10.23in x 19.69in x 70.87in / 260mm x 500mm x 1800mm Micro Dispenser: (D x W x H) 9.5in x 30in x 16.3in / 240mm x 763mm x 415mm
Weight	Power Cabinet: 1025.15lbs / 465kg (excluding power modules); Power Modules: 49.6lbs / 22.5kg Slim Line Dispenser: 430lbs / 195kg Micro Dispenser: 97lbs / 44kg
Certifications	UL 2202 / EN 61851-1 / EN 61851-23 / EN 61851-24
UL/TUV	Power Cabinet Certificate Number: CU 72239032 01 Slim Line Dispenser Certificate Number: CU 72239033 01

Product Code	Product Configuration
IPC480	ICE-480 Power Conversion Cabinet
ID500-C1-R	ICE Slim Line Dispenser CCS1 (500A, 16ft)
ID500-C1-C	ICE Slim Line Dispenser CCS1 (500A, 16ft), CCR
ID200200-C1C1-R	ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS1 (200A, 16ft)
ID200200-C1LC1L-R	ICE Slim Line Dispenser CCS1 Long (200A, 25ft) / CCS1 Long (200A, 25ft)
ID200200-C1C1-C	ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS1 (200A, 16ft), CCR
ID300300-C1C1-R	ICE Slim Line Dispenser CCS1 (300A, 16ft) / CCS1 (300A, 16ft)
ID300300-C1LC1L-R	ICE Slim Line Dispenser CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft)
ID300300-C1C1-C	ICE Slim Line Dispenser CCS1 (300A, 16ft) / CCS1 (300A, 16ft), CCR
ID300300-C1LC1L-C	ICE Slim Line Dispenser CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), CCR
ID500200-C1C1-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (200A, 16ft)
ID500200-C1C1L-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (200A, 25ft)
ID500200-C1C1-C	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (200A, 16ft), CCR
ID500300-C1C1-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (300A, 16ft)
ID500300-C1C1L-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (300A, 25ft)
ID500300-C1C1-C	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (300A, 16ft), CCR
ID500300-C1C1L-C	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (300A, 25ft), CCR
ID500500-C1C1-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (500A, 16ft)
ID500500-C1C1-C	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (500A, 16ft), CCR
ID500200-C1NS-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / NACS (200A, 16ft)
ID500200-NSNS-R	ICE Slim Line Dispenser NACS (500A, 16ft) / NACS (200A, 16ft)
ID500500-NSNS-R	ICE Slim Line Dispenser NACS (500A, 16ft) / NACS (500A, 16ft)
ID500200-NSNSL-R	ICE Slim Line Dispenser NACS (500A, 16ft) / NACS Long (200A, 25ft)
ID500200-NSCH-R	ICE Slim Line Dispenser NACS (500A, 16ft) / CHAdeMO (200A, 16ft)
ID200200-C1C2-R	ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS2 (200A, 16ft)
ID500200-C1C2-R	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS2 (200A, 16ft)
ID200125-C1CH-R	ICE Slim Line Dispenser CCS1 (200A, 16ft) / CHAdeMO (125A, 16ft)
ID20025-C1GB-R	ICE Slim Line Dispenser CCS1 (200A, 16ft) / GBT (250A, 16ft)
ID500200-GBC2-R	ICE Slim Line Dispenser GBT (500A, 16ft) / CCS2 (200A, 16ft)
IMD200-C1	ICE Micro Dispenser CCS1 (200A, 16ft)
IMD200-C1L	ICE Micro Dispenser CCS1 Long (200A, 25ft)
IMD300-C1	ICE Micro Dispenser CCS1 (300A, 16ft)
IMD300-C1L	ICE Micro Dispenser CCS1 Long (300A, 25ft)

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