

Overview

The ICE-480 is a 480kW high-power DC Fast charger split system, capable of efficiently charging 4 vehicles simultaneously with power sharing in 120kW increments – or of delivering up to 480kW by a single connector when 1 EV is plugged in. This system – comprised of a Power Cabinet and up to 4 Slim Line Dispensers – enables simultaneous charging of up to 4 vehicles, with another 4 EVs connected in standby mode. As a vehicle's charging session ends, the charger auto-starts charging of a vehicle in standby.

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 4 vehicles simultaneously
- Maximizes efficiency, with power sharing in 120kW increments and automatic charge start for connected EVs in standby
- 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



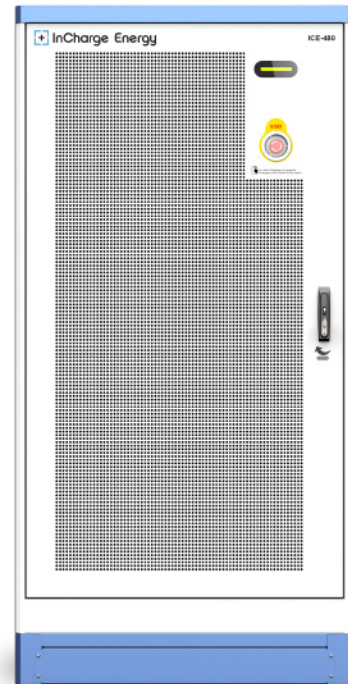
Charge Management Software (CMS)

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

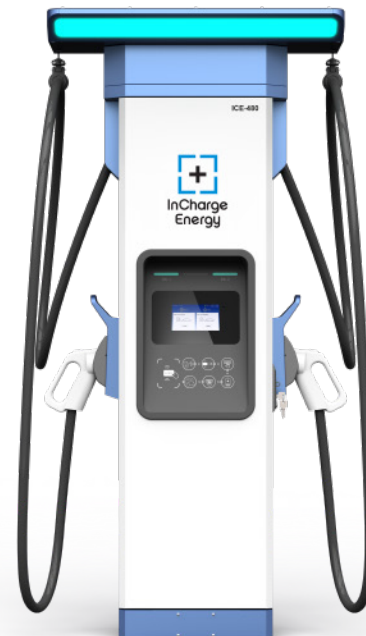
Warranty & Maintenance Options

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

- Standard 2-year (24 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable options to cover parts, labor, uptime SLAs, & more



ICE-480 Power Conversion Cabinet



Slim Line Dispenser
(Light Bar with Cable Retractors included)



| Input Parameters | Value |
|---------------------------------|--|
| Input Voltage | 480 Vac |
| AC Input Power Connection | 3-phase: L1, L2, L3, GND |
| Frequency | 60Hz |
| Recommended Breaker | Dual 400A 4W+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 |
| Communication | OCCP 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 | 16.4ft (25ft available upon request) |
| 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 |
| Weight | Power Cabinet: 1025.15lbs / 465kg excluding power modules; Power Modules: 49.6lbs / 22.5kg Slim Line Dispenser: maximum 430lbs / 195kg |
| 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 |

*Derating characteristics apply at extreme temperatures

ICE-480 Split System

480kW DC Fast charger

| Product Code | Product Configuration |
|------------------------|---|
| IDCC-480-480-1 | ICE-480 Power Conversion Cabinet |
| IDCD-500-C1-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) |
| IDCD-500-C1-CC | ICE Slim Line Dispenser CCS1 (500A, 16ft), Credit Card Reader |
| IDCD-200-200-C1C1-CR | ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS1 (200A, 16ft) |
| IDCD-200-200-C1C1-CC | ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS1 (200A, 16ft), Credit Card Reader |
| IDCD-300-300-C1C1-CR | ICE Slim Line Dispenser CCS1 (300A, 16ft) / CCS1 (300A, 16ft) |
| IDCD-300-300-C1LC1L-CR | ICE Slim Line Dispenser CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft) |
| IDCD-300-300-C1C1-CC | ICE Slim Line Dispenser CCS1 (300A, 16ft) / CCS1 (300A, 16ft), Credit Card Reader |
| IDCD-300-300-C1LC1L-CC | ICE Slim Line Dispenser CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), Credit Card Reader |
| IDCD-500-200-C1C1L-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (200A, 25ft) |
| IDCD-500-300-C1C1-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (300A, 16ft) |
| IDCD-500-300-C1C1L-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (300A, 25ft) |
| IDCD-500-300-C1C1L-CC | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (300A, 25ft), Credit Card Reader |
| IDCD-500-300-C1C1-CC | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (300A, 16ft), Credit Card Reader |
| IDCD-500-500-C1C1-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (500A, 16ft) |
| IDCD-500-500-C1C1-CC | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 (500A, 16ft), Credit Card Reader |
| IDCD-500-200-C1NS-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / NACS (200A, 16ft) |
| IDCD-200-200-C1C2-CR | ICE Slim Line Dispenser CCS1 (200A, 16ft) / CCS2 (200A, 16ft) |
| IDCD-500-200-C1C2-CR | ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS2 (200A, 16ft) |
| IDCD-200-125-C1CH-CR | ICE Slim Line Dispenser CCS1 (200A, 16ft) / CHAdeMO (125A, 16ft) |
| IDCD-200-250-C1GB-CR | ICE Slim Line Dispenser CCS1 (200A, 16ft) / GBT (250A, 16ft) |
| IDCD-500-GB-CR | ICE Slim Line Dispenser GBT (500A, 16ft) |
| IDCD-500-200-GBC2-CR | ICE Slim Line Dispenser GBT (500A, 16ft) / CCS2 (200A, 16ft) |

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