

Overview

The ICE-600 is a distributed 600kW high-power yet compact DC Fast charger, designed for ultra high power charging of up to 10 EVs simultaneously. With distributed dispenser and power conversion units, this robust system provides dynamic power sharing and auto-rerouting mid-session – with a single connector capable of providing up to 500kW (output limited by vehicle battery capacity). With two dispenser options, the ICE-600 offers ultimate fleet charging customizability.

Primary Use Cases

- Various depot charging layouts – including those with space constraints – where multiple EVs require simultaneous charge-ups
- Fleets requiring faster recharging

Key Benefits

- Dynamic power sharing in 60kW increments for up to 10 vehicles simultaneously
- Mid-session auto-reroutes available power to still-charging EVs
- Offers up to 500kW output from a single connector (Slim Line)
- Compact design for space saving power-to-footprint ratio
- Choose from up to 10 Micro Dispensers or up to 5 Slim Line Dispensers
- Micro Dispenser offers installation flexibility, with options for wall, pedestal, or overhead gantry mounting
- Distributed system supports separation of dispensers and power cabinet by up to 295ft (90m)
- Access control via PIN or RFID card (cards by request)
- Credit card reader & payment by mobile app (by request)

Managed by



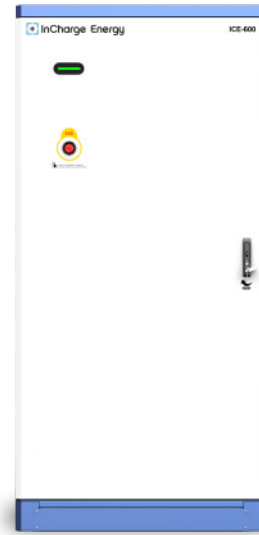
Charge Management Software (CMS)

- 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-600 Power Conversion Cabinet



Micro Dispenser (pedestal sold separately)



Slim Line Dispenser



| Input Parameters | Value |
|---------------------------------|--|
| Input Voltage | 480/277 Vac (+/- 10%) |
| AC Input Power Connection | 3-phase + PE |
| Frequency | 60Hz |
| Recommended Breaker | 2 x 500A |
| Max Current Draw | 2 x 380A |
| Power Factor | >0.99 |
| THD (Total Harmonic Distortion) | ≤5% |
| Output Parameters | Value |
| Voltage | 150-1000Vdc |
| Current - Max | Micro Dispenser: 200A, 300A, 400A Slim Line Dispenser: 200A, 300A, 500A (Liquid Cooled) |
| Power - Max | 600kW @ 300-1000V |
| System Efficiency - Max | 94.5% Full Load |
| Controls & Interface | Value |
| HMI | Slim Line Dispenser: 7in TFT Color Touch Display |
| Communication | OCPP 1.6J |
| Network Connection | Power Conversion Cabinet: CAN/ Ethernet Micro Dispenser: CAN/ Ethernet Slim Line Dispenser: LAN 10M/100M & LTE modem |
| RFID | Slim Line Dispenser: ISO14443 Type A & S50, S70 MIFARE |
| Language | English |
| Environment | Value |
| Temperature - Operating | Power Conversion Cabinet: -22°F to 122°F / -30°C to 50°C Micro & Slim Line Dispensers: -13°F to 122°F / -25°C to 50°C |
| Temperature - Storage | -40°F to 158°F / -40°C to 70°C |
| Humidity | 5%RH–95%RH |
| Altitude - Operating | 6560 ft (2000 m) |
| Protection - Intrusion | Power Conversion Cabinet: NEMA 3R/IP54 Micro & Slim Line Dispensers: NEMA 3S/IP55 |
| Cables & Connectors | Value |
| Connector Types | CCS1, CCS2, NACS, CHAdeMO, GBT |
| Connector Technology | Segmented |
| Cable Length | Micro Dispenser: 25ft or 32ft Slim Line Dispenser: 16ft or 25ft |
| 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) 45.3in x 41.3in x 86.6in / 1150mm x 1050mm x 2200mm Micro Dispenser: (D x W x H) 9.5in x 30in x 16.3in / 240mm x 763mm x 415mm Slim Line Dispenser: (D x W x H) 10.2in x 19.7in x 70.9in / 260mm x 500mm x 1800mm |
| Weight | Power Cabinet: 1940lbs / 880kg Micro Dispenser: 97lbs / 44kg Slim Line Dispenser: 430lbs / 195kg |
| Certifications | IEC 61851-1 / IEC 61851-23 / IEC 61851-24 EN 61851-1 / EN 61851-23 / EN 61851-24 UL 2202:2009 R2.18 / UL 2231-2 R08.16 / UL 2231-1 R08.16 / CAS C22.2 No. 107.1-16 |

ICE-600 Split System

600kW DC Fast charger

| Product Code | Product Configuration |
|------------------------|---|
| IDCC-600-480-1 | ICE-600 Power Cabinet |
| IDCMD-200-C1 | ICE Micro Dispenser CCS1 (200A, 32ft) |
| IDCMD-300-C1 | ICE Micro Dispenser CCS1 (300A, 32ft) |
| IDCMD-400-C1 | ICE Micro Dispenser CCS1 (400A, 25ft) |
| IDCMD-400-NS | ICE Micro Dispenser NACS (400A, 25ft) |
| 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.