

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 user-friendly 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 and an optional authorization terminal, the ICE-600 offers the ultimate in fleet charging customizability.

The ICE-600 is ideal for

- long haul fleets requiring faster recharging
- various depot charging layouts - including those with space constraints - where multiple EVs require simultaneous charge-ups

Key Benefits

- 150 to 1000Vdc output voltage range
- 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
- Distributed system supports separation of dispensers and power cabinet by up to 295 ft (90 m)
- Terminal (optional) for access control via PIN or RFID card (cards by request) or driver credit card payment option
- OCPP 1.6 standard supports interoperability
- LTE modem and LAN for connectivity to InControl CMS
- 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



Terminal

Power Conversion Cabinet



Micro Dispenser

Slim Line Dispenser



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

Configurations: Speak to your InCharge representative to review available offerings.

Charger Technical Specifications

- Slim Line Dispenser Dual Connectors: CCS1, CCS1 Liquid Cooled, NACS | Cable length: 200A/300A - 16.4ft (25ft option), 500A - 21ft
- Micro Dispenser Single Connector Options: CCS1, NACS
- 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) 45.3in x 41.3in x 86.6in / 1150mm x 1050mm x 2200mm | Weight: 1940lbs / 880kg
- Micro Dispenser Dimensions: (D x W x H) 9.5in x 30in x 16.3in / 240mm x 763mm x 415mm | Weight: 97lbs / 44kg
- Slim Line Dispenser Dimensions: (D x W x H) 10.2in x 19.7in x 70.9in / 260mm x 500mm x 1800mm | Weight: 430lbs / 195kg
- (Optional) Terminal Dimensions: (D x W x H) 18.9in x 15.8in x 47.2in / 480mm x 400mm x 1200mm | Weight: 86lbs / 39kg

| Input Parameters | Value |
|---------------------------------|--|
| Input Voltage | 480/277 Vac (+/- 10%) |
| AC Input Power Connection | 3-phase + PE |
| Frequency | 60 Hz |
| Recommended Breaker | 2 x 600A |
| Max Current Draw | 2 x 480A |
| Power Factor | >0.99 |
| THD (Total Harmonic Distortion) | ≤5% |
| Output Parameters | Value |
| Voltage | 150-1000Vdc |
| Current - Max | Micro Dispenser: 200A, 300A 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: 7" TFT Color Touch Display (Optional) Terminal: 10" TFT Color Touch Display |
| Communication | OCPP 1.6J |
| Network Connection | Power Conversion Cabinet: CAN/ Ethernet Micro Dispenser: CAN/ Ethernet Slim Line Dispenser: (Optional) Terminal: Router 4G/5G (LTE)/ Ethernet |
| RFID | Slim Line Dispenser & Terminal: ISO14443 Type A & S50, S70 MIFARE |
| Language | English |
| Environment | Value |
| Temperature - Operating | Power Conversion Cabinet: -22°F to 120°F (-30°C to 50°C) Micro Dispenser: -13°F to 120°F (-25°C to 50°C) Slim Line Dispenser: -13°F to 120°F (-25°C to 50°C) Terminal: -13°F to 120°F (-25°C to 50°C) |
| Temperature - Storage | Power Conversion Cabinet: -40°F to 158°F (-40°C to 70°C) Micro Dispenser: -40°F to 158°F (-40°C to 70°C) Slim Line Dispenser: -40°F to 158°F (-40°C to 70°C) Terminal: -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 Dispenser: NEMA 3S/IP55 Slim Line Dispenser: NEMA 3S/IP55 Terminal: NEMA 3S/IP55 |
| General | Value |
| 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 |