

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)

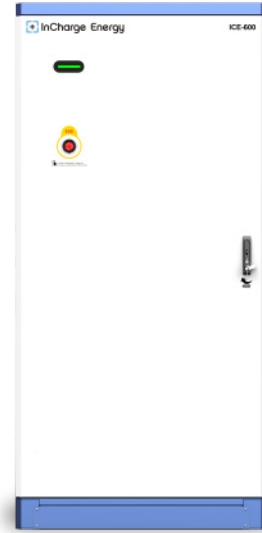
- User-friendly, integrates with existing systems
- Maximize fleet productivity
- Minimize charging-related energy costs
- Mitigate demand charges with load management



Warranty & Maintenance Options

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

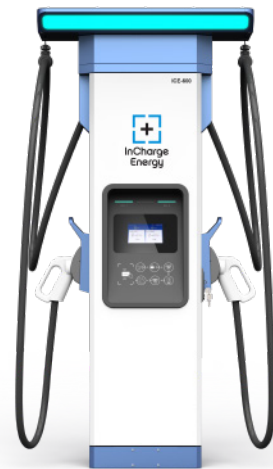
- Standard 3-year (36 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable options to cover parts, labor, uptime SLAs, & more



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 (no power modules): 1521lbs / 720kg Power Module: 34lbs / 15.5 kg 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

Product Code	Product Configuration
IPC600	ICE-600 Power Cabinet
IPC600-BA	ICE-600 Power Cabinet, Buy America Compliant
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)
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)
ID500-C1-R	ICE Slim Line Dispenser CCS1 (500A, 16ft)
ID500-C1-C	ICE Slim Line Dispenser CCS1 (500A, 16ft), Credit Card Reader
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), Credit Card Reader
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), Credit Card Reader
ID300300-C1LC1L-C	ICE Slim Line Dispenser CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), Credit Card Reader
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), Credit Card Reader
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), Credit Card Reader
ID500300-C1C1L-C	ICE Slim Line Dispenser CCS1 (500A, 16ft) / CCS1 Long (300A, 25ft), Credit Card Reader
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), Credit Card Reader
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)

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