

### Overview

The ICE CUBE is an advanced 200kW Split System designed to deliver flexibility and cost efficiency for electric vehicle fleets. With integrated battery storage of 215kWh, which can be optionally increased to 860kWh, this system enables off-peak battery storage system charging for use during peak hours, optimizing fleet charging, supporting charging-related energy savings, and mitigating demand charges. The system allows four vehicles to be plugged in at two Slim Line Dispensers, with two EVs actively charging while the other two are in an idle state. The ICE CUBE can utilize its local grid, solar panels, power modules, or battery packs to charge EVs, and when fully charged, the CUBE increases the amount of power that can be drawn, allowing more vehicles to charge simultaneously at a higher rate.

### Primary Use Cases

- Simultaneous charging of multiple EVs, in a row, for longer periods of time
- Locations with high charging utilization or low grid input

### Key Benefits

- Energy storage increases locally available power and lightens the load on the grid
- Boost mode configuration available for higher grid input to the battery
- Dispenser and battery storage system can be separated by up to 300ft ( 91m)
- Access control via PIN or RFID card (cards by request)
- Credit card reader & payment by mobile app (upon request)
- Compact design for space saving power-to-footprint ratio

Managed by



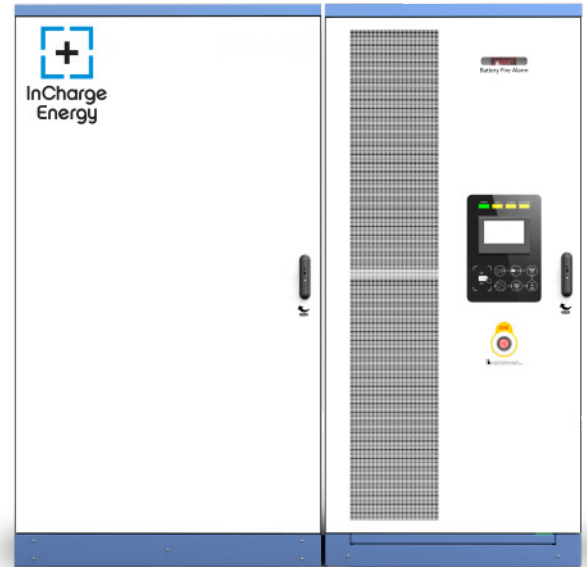
Charge Management Software (CMS)

- 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 CUBE Battery Storage System



Slim Line Dispenser



| Input Parameters                  | Value   |
|-----------------------------------|---|
| Input Voltage                     | 260-530Vac  |
| AC Input Power Connection         | 3-phase + N + PE  |
| Frequency                         | 45-65Hz   |
| Max Input Current                 | 108A (+216A in boost mode)  |
| AC Distribution                   | AC Grid to Battery 60kW   |
| Output Parameters                 | Value   |
| Output to EV                      | 240kW, split between 4 connectors   |
| Simultaneous Charging             | 80kW to 4 EVs simultaneously  |
| Battery Parameters                | Value   |
| Battery Discharging Channel to EV | Max 4 Channels  |
| EV Charging Voltage               | 150V-1000V  |
| Access Channel                    | Max 2 Channel   |
| AC Grid Side                      | 1 AC Energy Meter   |
| DC Charging Side                  | 4 DC Energy Meters  |
| Battery Capacity                  | 215kWh/280Ah  |
| Battery Voltage                   | 627V-864V   |
| Battery Charge / Discharge        | 0.3C charge / 0.5C discharge  |
| Battery Type                      | Lithium Iron Phosphate (LFP)  |
| Temperature Regulation            | 5kW industrial fan  |
| Protections                       | Smoke, gas, tilt, and pressure sensors  |
| Controls & Interface              | Value   |
| HMI                               | 7" TFT LCD Touchscreen  |
| Communication                     | OCPP 1.6J   |
| Network Connection                | 4 & 5G LTE modem and LAN  |
| 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                          | 95%   |
| Altitude - Operating              | 6560 ft (2000 m)  |
| Cables & Connectors               | Value   |
| Connector Types                   | CCS1, CCS2, NACS, CHAdeMO, GBT  |
| Connector Technology              | Segmented or Dual Canted Coil   |
| Cable Length                      | 19.6 ft   |
| General                           | Value   |
| Materials & Finish                | Hot galvanized steel; Facade - Plastic; Screen - Tempered glass   |
| Supported Protocols               | DIN70212 and ISO15118-2   |
| Dimensions                        | Dispenser: (D x W x H) 9.4 in x 19.6 in x 59 in / 240 mm x 500mm x 1500 mm<br>Battery: (D x W x H) 47.2 in x 39.4 in x 78.4 in / 1200mm x 1000mm x 2200mm |
| Weight                            | Dispenser: 220lbs / 100kg<br>Battery: 793.7lbs / 350kg  |
| Certifications                    | UL 2202 / UL 2231-2 / UL 223-1-1 / CAS C22.2  |

\*Derating characteristics apply at extreme temperatures

# ICE CUBE Battery Storage

## 200kWh/240kW Charging Split System

| Product Code      | Product Configuration   |
|-------------------|---|
| IIC240-200        | ICE-Cube Power Cabinet 240kW  |
| IBC240-200        | ICE-Cube Battery Cabinet, 200kWh Capacity   |
| 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.