

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



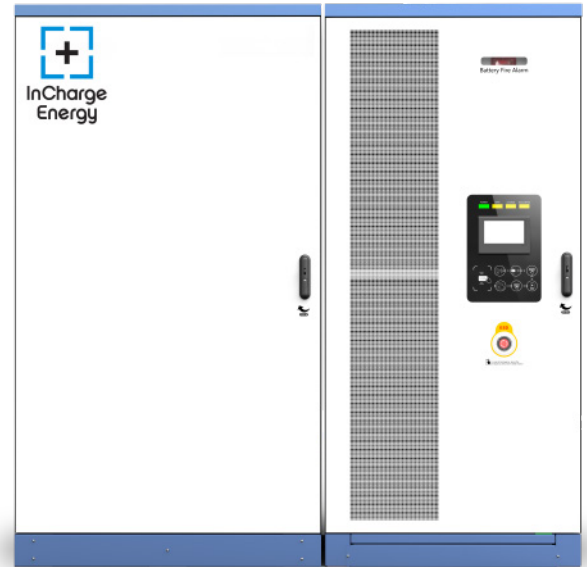
Charge Management Software (CMS)

- 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 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 Battery: 793.7lbs / 350kg
Certifications	UL 2202 / UL 2231-2 / UL 223-1-1 / CAS C22.2

*Derating characteristics apply at extreme temperatures

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 (200A, 25ft) / CCS1 (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-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.