Overview

The ICE-Cube increases flexibility and cost efficiency for charging locations, enabling off-peak battery storage system charging for use during peak hours to optimize fleet charging and reduce demand charges. Charging the battery during off-peak times also reduces the need to pay for electricity during peak hours.

Additionally, when charged up, the battery storage system increases the amount of power that can be drawn at one time, allowing more vehicles to simultaneously charge at a higher rate.

The ICE-Cube is especially beneficial for
- locations with high use or low grid input
- optimizing charging or total cost of ownership

ICE-Cube Battery Storage System

Key Benefits

- Energy storage increases locally available power and lightens the load on the grid
- Simultaneous charging and discharging of the battery storage system
- Boost mode configuration for higher grid input to the battery
- 150-1000Vdc output supports EV high voltage requirements
- Dispenser and battery storage system can be separated by up to 300ft
- Access control via PIN or RFID card (cards by request)
- Tempered glass touchscreen LCD display offers added durability and easier daylight readability
- Compact design for space saving power-to-footprint ratio
- OCPP 1.6 standard supports interoperability
- 4 & 5G LTE modem and LAN for connectivity to InControl
- 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

ICE Charging Dispensers

InControl™

Optimize fleet operations and maximize savings with InCharge's proprietary EV fleet charge management software.

Configurations*

Product	Configuration	SKUs
ICE-Cube Battery Storage System	ICE-Cube 240kW / 200kWh Battery Capacity	IDCC-240-480-200-1
Dual CCS1 (200A) Cables (19.6 ft)	ICE Dispenser CCS1 (200A) / CCS1 (200A)	IDCD-200-200-C1C1-CR
Dual CCS1 (300A) Cables (19.6 ft)	ICE Dispenser CCS1 (300A) / CCS1 (300A)	IDCD-300-300-C1C1-CR
Dual CCS1 (500A) & CCS1 (200A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (200A)	IDCD-500-200-C1C1-CR
Dual CCS1 (500A) & CCS1 (300A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (300A)	IDCD-500-300-C1C1-CR
Dual CCS1 (500A) Cables (19.6 ft)	ICE Dispenser CCS1 (500A) / CCS1 (500A)	IDCD-500-500-C1C1-CR
Dual CCS1 (500A) & NACS (200A) Cables	ICE Dispenser CCS1 (500A) / NACS (200A)	IDCD-500-200-C1NA-CR

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

InCharge™ Energy
We Bring the Power

Charger Technical Specifications

- Available with dual connectors: CCS1-CCS1, CCS1-NACS, or CCS1-CHAdeMO | Cable length: 19.6 ft
- Materials and Finish: Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
- DIN70212 and ISO15118-2 protocols supported
- Dispenser Dimensions: (D x W x H) 9.4 in x 19.6 in x 59 in / 240 mm x 500mm x 1500 mm | Weight: 220lbs / 100kg
- Battery Dimensions: (D x W x H) 47.2 in x 39.4 in x 78.4 in / 1200mm x 1000mm x 2200mm | Weight: 793.7lbs / 350kg

Input Parameters	Value
Input Voltage	260-530Vac
AC Input Power Connection	3-phase + N + PE
Frequency	45-65 Hz
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)
General	**Value**
Certifications	UL 2202 / UL 2231-2 / UL 223-1-1 / CAS C22.2

*Derating characteristics apply at extreme temperatures