

Overview

The ICE-22 V2X (“Vehicle to Everything”) DC Fast charger is a bidirectional 22kW charger that supports Vehicle to Grid (V2G), Vehicle to Vehicle, and other discharge use cases. InCharge V2X chargers may also qualify for funding with V2G-capability requirements.

In combination with InControl™, InCharge’s charge management software, the ICE-22 V2X charger allows fleets to utilize the stored energy in off-duty vehicles and potentially enable additional cost savings while supporting grid stability and greater renewable energy integration into the grid.

With a compact footprint and options for wall mounting or use on a pedestal (see below), the ICE-22 V2X charger is ideal for

- auto dealers
- fleet charging
- various parking applications or depot layouts



ICE-22 V2X DC Fast charger

Key Benefits

- 150 to 1000Vdc output voltage range supports higher voltage DC charging
- 22kW-rated output power
- Supports AutoCharge; Plug and Charge ready
- Buy America-compliant configurations available
- Access control via PIN or RFID card (cards by request)
- Tempered glass touchscreen LCD display offers added durability and easier daylight readability
- Compact design is easy to mount on wall or optional pedestal (see below)
- OCPP 1.6 standard supports interoperability
- 4 & 5G Modem and LAN for connectivity to InControl
- 480V 3-phase input for high efficiency conversion
- Customizable warranty and maintenance options - backed by an in-house team of service experts



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

Configurations

Product	Configuration	SKUs
Single CCS1 Cable (16.4 ft)	ICE-22 V2X CCS1	IDC-22-480-C1-WC2R
Single Long CCS1 Cable (25 ft)	ICE-22 V2X CCS1 Long	IDC-22-480-C1L-WC2R
Single CHAdeMO Cable (18 ft)	ICE-22 V2X CHAdeMO	IDC-22-480-CH-WC2R
Single CCS1 Cable (16.4 ft); Buy America-compliant (available Q1 2025)	ICE-22 V2X CCS1 (BAA)	IDC-22-480-CH-WC2R-BA

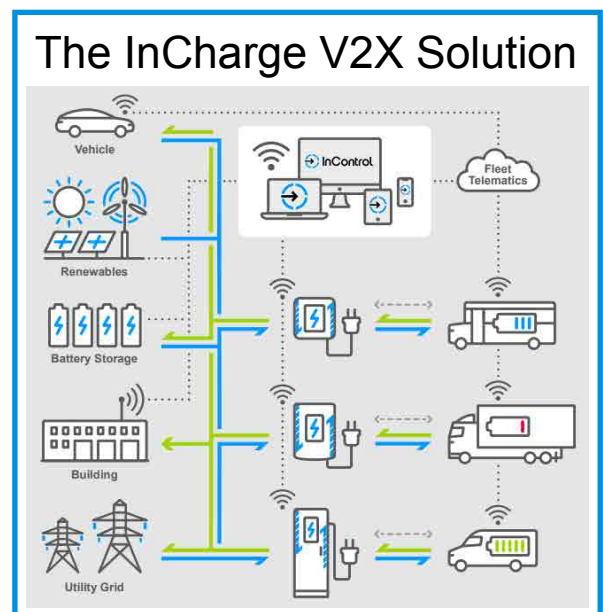
Accessories



Light Bar Pedestal

Dimensions
(D) 16.1 in x (W) 37.4 in x (H) 83.8 in

SKU: IA-DCP-D3



Charger Technical Specifications

- Available with single CCS1 connector (CHAdeMO upon request) | Cable Length: 16.4ft (CCS1), 25ft (CCS1 Long), or 18ft (CHAdeMO)
- Materials and Finish: Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
- DIN70121 and SAE J284702 protocols supported; ISO15118-02 ready
- Dimensions: (D x W x H) 12.38in x 24in x 25.63in / 314mm x 610mm x 650mm | Weight: 194lbs / 88kg

Configuration	Value
Voltage	480 Vac +/- 10%
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	45-65 Hz
Recommended Breaker	40A
Max Current Draw	31A
Power Factor	>0.99
THD Current	< 5%
AC-to-DC Mode	Value
AC Input: Voltage & Current Range	400/480Vac, 3L+PE; 0-43A
AC Input: Voltage/Frequency Range	260Vac - 530Vac, 45-65Hz
DC Output: Rated Power	22kW
DC Output: Voltage & Current Range	150-1000Vdc; 0-73.3A
DC-to-AC Mode	Value
DC Input: Voltage & Output Power	300-1000Vdc: 22kW; 300-150Vdc Linear derating to 11kW
DC Input: Max Current	73.3A
AC Output: Voltage & Output Power	320-530Vac: 22kW; 260-320Vac: Linear derating to 11kW
AC Output: Rated Power & Current	22kVA / 33.3A
Islanding Voltage Accuracy	1% & <3% // Off Grid Only supports 400Vac
Power Factor	>0.7
Dynamic Voltage Stability & Recovery	5% and 20mS
Controls and Interface	Value
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	4G & 5G Cellular, LAN 10M/100M
RFID	ISO14443 Type A & S50, S70 MIFARE
Environment	Value
Temperature - Operating	-4°F (-40° F with Cold Weather Kit) to 158°F* / -20°C to 70°C
Temperature - Storage	-40°F to 167°F / -40°C to 75°C
Humidity	95%
Altitude - Operating	6560 ft (2000 m)
Protection - Intrusion	IP55/K10
General	Value
Certifications	UL 2202, CSA 22.2, UL 1741 SA/SB, UL 9741, IEEE 1547, J2847/2, IEC 61851-23:2014, IEC 61000-6-3:2020

*Derating characteristics apply at extreme temperatures