

### Overview

The ICE-66 V2X is a robust 66kW “Vehicle-to-Everything” bidirectional DC Fast charger that supports Vehicle-to-Grid (V2G), Vehicle-to-Vehicle, and other discharge use cases. This charger may qualify for funding opportunities with V2G-capability requirements.

In combination with InControl™ Charge Management Software, the ICE-66 V2X empowers fleets to harness the stored energy in off-duty V2G compatible vehicles, promoting cost savings, grid stability, and greater renewable energy integration with the grid.

### Primary Use Cases

- Buildings designated as emergency shelter locations, where the energy stored in the electric fleet vehicles could be used to power the building in case of an outage
- Fleets in areas with Distributed Energy Resource programs or funding opportunities with V2G requirements
- Various fleets where sequential or simultaneous charging optimizes operations

### Key Benefits

- Compatible with most industry-standard connector types, including NACS
- Sequential or simultaneous (split power) charging
- Simultaneous and independent charging and discharging
- Compact footprint for space saving power-to-footprint ratio
- Access control via PIN or RFID card (cards by request)
- Credit card reader & payment by mobile app (by request)



ICE-66 V2X Dual CCS1



Managed by



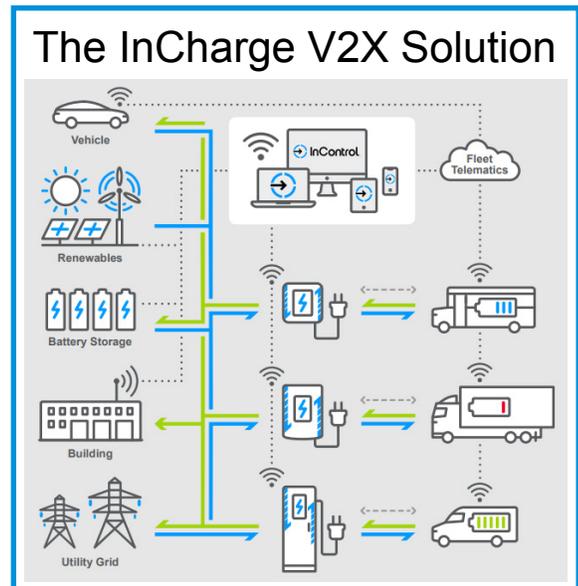
Charge Management Software (CMS)

- 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



| Configuration                             | Value   |
|---|---|
| Voltage                                   | 277/480 Vac +/- 10%   |
| AC Input Power Connection                 | 3 Phase: L1, L2, L3, N, GND   |
| Frequency                                 | 60Hz  |
| Recommended Breaker                       | 125A  |
| Max Current Draw                          | 84A   |
| Power Factor                              | ≥0.99 @Grid Charging; 0.8 Leading~0.8 Lagging @Grid Discharging   |
| THD (Total Harmonic Distortion)           | <5%   |
| <b>AC to DC (On Grid Charging)</b>        | <b>Value</b>  |
| DC Output: Rated Power                    | 66kW  |
| DC Output: Voltage & Current Range        | 150-1000Vdc; 0-146.6A   |
| <b>DC to AC (On/Off Grid Discharging)</b> | <b>Value</b>  |
| DC Input: Voltage & Output Power          | 300-1000Vdc: 66kW; 300-150Vdc Linear derating to 33kW   |
| DC Input: Max Current                     | 219A  |
| AC Output: Voltage & Output Power         | 480Vac +/- 10%: 66kW  |
| AC Output: Rated Power & Current          | 66kVA / 99.9A   |
| Islanding Voltage Accuracy                | 1% & <3%  |
| Power Factor                              | >0.8  |
| Dynamic Voltage Stability & Recovery      | 5% and 20mS   |
| <b>Controls &amp; Interface</b>           | <b>Value</b>  |
| HMI                                       | 7in TFT LCD Display   |
| Communication                             | OCPP 1.6J, OCPP 2.0.1, OCPP 2.1   |
| Network Connection                        | 4G Cellular, LAN 10Mbit/100Mbps   |
| RFID                                      | ISO14443 Type A & S50, S70 MIFARE   |
| <b>Environment</b>                        | <b>Value</b>  |
| Temperature - Operating                   | -13°F to 122°F / -25°C to 50°C*   |
| Temperature - Storage                     | -40°F to 167°F / -40°C to 75°C  |
| Humidity                                  | 95%   |
| Altitude - Operating                      | 6560ft (2000m)  |
| Protection - Intrusion                    | IP55/K10  |
| <b>Cables &amp; Connectors</b>            | <b>Value</b>  |
| Connector Types                           | CCS1  |
| Connector Technology                      | Segmented   |
| Cable Length                              | CCS1: 16.4ft (25ft available upon request)  |
| <b>General</b>                            | <b>Value</b>  |
| Materials & Finish                        | Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass                                       |
| Supported Protocols                       | DIN70121 and SAE J284702, ISO15118-02 ready, ISO 15118-20 ready   |
| Dimensions                                | (D x W x H) 29.5in x 27.5in x 68.9in / 750mm x 700mm x 1750mm   |
| Weight                                    | 544.53 lbs / 247 kg   |
| Certifications                            | In progress: 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

# ICE-66 V2X

66kW Bidirectional DC Fast charger

| Product Code | Product Configuration                            |
|--------------|--|
| I66-C1C1-R   | ICE-66 V2X CCS1 (200A, 16ft) / CCS1 (200A, 16ft) |
| I66-C1LC1L-R | ICE-66 V2X CCS1 (200A, 25ft) / CCS1 (200A, 25ft) |

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