

# ICE-44 V2X

## 44kW Bidirectional DC Fast Charger



### Description

The ICE-44 V2X DC charger is the bidirectional 44kW charger in our product line. The ICE-44 V2X is compact and supports both CCS and CHAdeMO-standards making it a quality choice for a variety of applications. In combination with InCharge’s InControl charge management software, it 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. InCharge V2X chargers may also qualify for funding with V2G-capability requirements.

### Key Benefits and Features

- 150 to 1000Vdc output voltage range
- 44kW-rated output power
- User-friendly control interface allows for PIN or RFID accessibility
- OCPP 1.6 standard supports interoperability across backend platforms
- Supports Autocharge; Plug and Charge ready
- LTE Modem and LAN
- Compact design is easy to mount on walls or on the optional InCharge pedestal
- 480V 3-phase input for high efficiency conversion



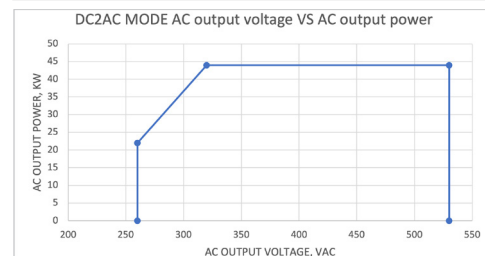
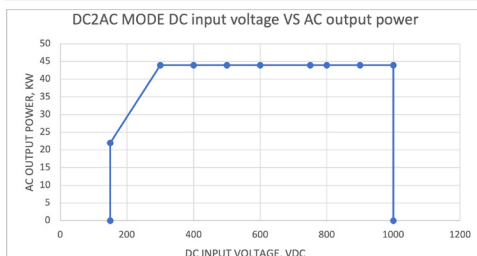
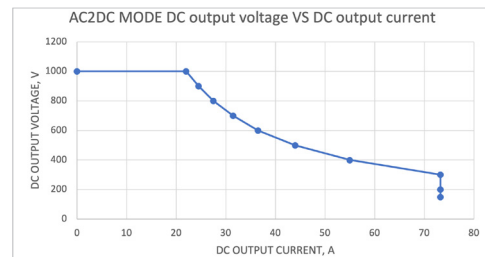
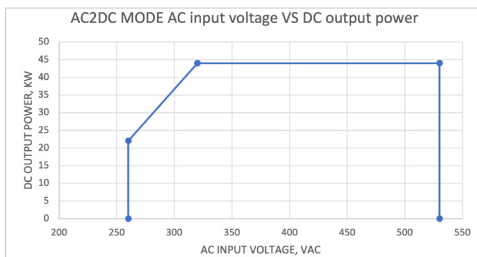
ICE-44 V2X

### Specifications

- Available with dual CCS1 (CHAdeMO upon request)
- DIN70121 and SAE J2847-02 protocols supported; ISO15118-02 ready
- Dimensions: 9.4” (D) x 27.7” (W) x39” (H) / 240 mm x 705mm x 1000mm
- Weight: 214lbs / 97kg

### Ordering Information

Configuration	SKU
ICE-44 - Dual CCS1	IDC-44-480-C1C1-WC2R



## Technical Specifications

Configuration	SKU
Voltage	480 Vac +/- 10 %
AC Input Power Connection	480 Vac +/- 10 %
Frequency	3-phase: L1, L2, L3, GND
Recommended breaker	80A
Max Current Draw	62A
Power factor	>0.99
THD - Current	< 5%
AC-to-DC Mode	Value
AC Input: Voltage and current range	400/480Vac, 3L+PE; 0 - 43A
AC Input: Voltage/frequency range	260 Vac - 530 Vac, 45Hz - 65Hz
DC Output: Rated power	44kW
DC Output: Voltage and current range	150Vdc -1000Vdc; 0 -146.6A
DC-to-AC Mode	Value
DC Input: Voltage and output power	300 -1000Vdc: 44kW; 300 -150Vdc Linear derating to 22kW
DC Input: Max Current	146.6
AC Output: Voltage and output power	320 - 530Vac: 44kW; 260 - 320Vac: Linear derating to 22kW
AC Output: Rated power and current	44kVA/66.6A
Islanding voltage accuracy	1% & <3% // Off Grid Only supports 400Vac
Power Factor	>0.7
Dynamic voltage stability and recovery	5% and 20mS
Controls and Interface	Value
Charging Connectors	CCS1, CHAdeMO available upon request
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	4G & 5G Cellular, LAN 10M/100M
RFID	Yes
Environment	Value
Temperature - Operating	-4 °F (-40F 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	6560ft (2000 m)
Protection - Intrusion	IP55/K10
General	Value
Cable Length	16.4 ft
Safety and EMI	UL2202, CE, EN61000-6-3/-1 Class B ; EN 61851-1/-23/-24, UL 1741, J2847-02

\* Derating characteristics apply at extreme temperatures

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