

Overview

The Energy Star certified ICE-180 is a robust 180kW DC Fast charger designed to provide rapid and efficient charging for electric vehicle fleets. The ICE-180 supports both sequential and simultaneous (split power) charging, enhancing its versatility and optimizing fleet operations. The ICE-180 combines powerful performance with a compact design for easy installation in constrained spaces.

Primary Use Cases

- Auto dealerships, for charging available inventory and for customer or public charging
- School electric bus fleets, particularly for long routes or fast midday recharge
- A variety of fleet parking applications where DC charging is needed in minimal space

Key Benefits

- Energy Star certified
- Compatible with all industry-standard connector types, including NACS
- Sequential and simultaneous (split power) charging
- High current cable configurations available for even faster charging
- Compact, space-saving footprint
- Access control via PIN or RFID card (cards by request)
- Credit card reader & payment by mobile app (by request)



ICE-180 Dual CCS1 with Light Bar Cable Retractor (accessory sold separately)



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 3-year (36 month) Warranty included with every InCharge charger (covers parts; restrictions may apply)
- Customizable options to cover parts, labor, uptime SLAs, and more

Configuration	Value
Voltage	480 Vac +/- 10%, WYE
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	60Hz
Recommended Breaker	300A 3W+G circuit
SCCR	25kA
Max Current Draw	231A
Power Factor	>0.99
THD (Total Harmonic Distortion)	<5%
Output Parameters	Value
Voltage	150-1000Vdc
Current - Max	300A@300V / 300A@500V / 300A@600V / 180A@1000V
Power - Max	180kW
System Efficiency - Max	>95%
Controls & Interface	Value
HMI	7in TFT LCD Display
Communication	OCPP 1.6J
Network Connection	4G/5G modem; LAN 10/100M
RFID	ISO14443 Type A & S50, S70 MIFARE
Language	English (others available upon request)
Environment	Value
Temperature - Operating	-4°F to 113°F / -20°C to +45°C *(Optional: -40°F / -40°C)
Temperature - Storage	-40°F to 158°F / -40°C to +75°C
Humidity	0 - 95%
Altitude - Operating	6560ft (2000m)
Protection - Intrusion	IP54, NEMA 3R; indoor and outdoor rated
Cables & Connectors	Value
Connector Types	CCS1, CCS2, NACS, CHAdeMO
Connector Technology	Segmented
Cable Length	CCS1: 16.4ft (25ft available upon request) CCS2, NACS: 16ft CHAdeMO: 18ft
General	Value
Materials & Finish	Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
Supported Protocols	DIN70212 and ISO15118-2
Dimensions	(D x W x H) 29.5 in x 27.5 in x 68.9 in / 750mm x 700mm x 1750mm
Weight	900lbs / 408kg
Certifications	UL2202, CE, EN6100-6-3, EN61851-1/-23/-24
UL/TUV	Certificate Number: CU 72301589

*Derating characteristics apply at extreme temperatures

Product Code	Product Configuration
I180-C1C1-R	ICE-180 CCS1 (200A, 16ft) / CCS1 (200A, 16ft)
I180-C1LC1L-R	ICE-180 CCS1 Long (200A, 25ft) / CCS1 Long (200A, 25ft)
I180-C1C1-A	ICE-180 CCS1 (200A, 16ft) / CCS1 (200A, 16ft), EV Connect Mobile Payment App
I180-C1C1-C	ICE-180 CCS1 (200A, 16ft) / CCS1 (200A, 16ft), Credit Card Reader
I180-C1NS-R	ICE-180 CCS1 (200A, 16ft) / NACS (200A, 16ft)
I180-NSNS-R	ICE-180 NACS (200A, 16ft) / NACS (200A, 16ft)
I180-C1C2-R	ICE-180 CCS1 (200A, 16ft) / CCS2 (200A, 16ft)
I180-C1CH-R	ICE-180 CCS1 (200A, 16ft) / CHAdeMO (125A, 18ft)
I180-C1CH-A	ICE-180 CCS1 (200A, 16ft) / CHAdeMO (125A, 18ft), EV Connect Mobile Payment App
I180-C1CH-C	ICE-180 CCS1 (200A, 16ft) / CHAdeMO (125A, 18ft), Credit Card Reader
I180H-C1C1-R	ICE-180 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft)
I180H-C1LC1L-R	ICE-180 High Current CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft)
I180H-C1C1-A	ICE-180 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft), EV Connect Mobile Payment App
I180H-C1LC1L-A	ICE-180 High Current CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), EV Connect Mobile Payment App
I180H-C1C1-C	ICE-180 High Current CCS1 (300A, 16ft) / CCS1 (300A, 16ft), Credit Card Reader
I180H-C1LC1L-C	ICE-180 High Current CCS1 Long (300A, 25ft) / CCS1 Long (300A, 25ft), Credit Card Reader
I180H-C1NS-R	ICE-180 High Current CCS1 (300A, 16ft) / NACS (380A, 16ft)
I180H-C1NS-C	ICE-180 High Current CCS1 (300A, 16ft) / NACS (380A, 16ft), Credit Card Reader
I180H-NSNS-R	ICE-180 NACS (300A, 16ft) / NACS (300A, 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.