



ICE-180 All-in-One 180kW DC Fast Charger



Description

The InCharge Energy ICE-180 is an All-in-One DC Fast Charger, which supports both CCS and CHAdeMO standards with one or two connectors. This DC All-in-One is designed for easy installation and high reliability. This product is easy to operate with an intuitive touchscreen display that facilitates access control, charging status, and help menus. The ICE-180 is ideal for auto dealers, fleet charging and a variety of parking applications where DC charging is needed in minimal space.

Key Benefits and Features

- 150 to 1000Vdc output voltage range supports new high voltage DC charging voltages
- 180kW rated output power
- User friendly control interface allows for PIN or RFID accessibility
- Tempered glass touchscreen LCD display for added durability and daylight readability
- OCPP 1.6 standard supports integration into In-Control, In-Charge's EVSE management platform
- LTE Modem and LAN for connectivity to In-Control
- Compact design for space saving power-to-footprint ratio
- TUV certification to UL 2202 to ensure safety
- 480V 3-phase input for high efficiency conversion
- TUV Certified



The ICE-60, 120, and 180 share the same housing

Specifications

- Available with single CCS, Dual CCS1 and CCS1 & CHAdeMO connectors
- DIN70212 and ISO15118-2 protocols supported
- Materials and Finish: Enclosure - Hot galvanized steel; Facade - Plastic; Screen - Tempered glass
- Dimensions: 29.5"(D) x 27.5"(W) x 68.9"(H) / 750mm * 700mm * 1750mm
- Weight: 564lbs / 256kg

Ordering Information

Configuration	SKU
ICE-180kW DC Fastcharger - Dual CCS1	ADC-180- 480-C1C1-AC1R
ICE-180kW DC Fastcharger - CCS1 & CHAdeMO	ADC-180- 480-C1CH-AC1R

Technical Specifications

Configuration	SKU
Voltage	480 Vac +/- 10 %
AC Input Power Connection	3-phase: L1, L2, L3, GND
Frequency	60 Hz
Recommended breaker	360A
Max Current Draw	288A
Power factor	>0.99
THD - Current	< 5%
Output Parameters	Value
Voltage	150 - 1000Vdc
Current - Max	600A@300V / 360A@500V / 180A@1000V
Power - Max	180kW
System Efficiency - Max	>95%
Controls and Interface	Value
Charging Connectors	CCS1, CHAdeMO
HMI	7" 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 on request)
Environment	Value
Temperature - Operating	-4°F to 113°F/ -20°C to +45°C *
Temperature - Storage	-40°F to 158°F/-40°C to +75°C
Humidity	0 - 95%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP54, NEMA 3R; indoor and outdoor rated
General	Value
Cable Length	16.4 ft (25ft available upon request)
Safety and EMI	UL2202, CE, EN6100-6-3, EN61851-1/-23/-24
Certification Number	72212743

* Derating characteristics apply at extreme temperatures



Name	SKU	Certified As	Certification Number
ICE-180-CC	IDC-180-480-C1C1-AC1R	Shenzhen Infypower Co., Ltd. EXP180K2-FD-UU2, EXP180K2-FS-U2	TUV: CU 72212743