



Native Smart Charge™ 175 kW

Commercial Charging Stations

Offer powerful DC fast charging

Boost your business' electric vehicle infrastructure with Native Smart Charge 175 kW, an advanced version of the Native Smart Charge 50 kW DC fast charging (DCFC) solution. Install at a low cost with utility or government incentives to attract new customers that drive electric vehicles. Drivers can charge up to 80% within 20 minutes. Minimize maintenance fees with a state-of-the-art liquid-cooling system that keeps your DCFC operating smoothly in all conditions and allows maximum power delivery to vehicles with both 400V and 800V batteries. Native Smart Charge 175 kW is built to last and made for high utilization customer needs including fleets and refueling stations.



Take advantage of EVSE infrastructure incentives to bring Native Smart Charge 175 kW to your property today:

- Attract more visitors to your business by offering fast charging
- Generate revenue with credit card reader and in-app software payment options
- Delineate preferred access and payment settings from the Native Smart Charge Enterprise smart charging platform
- Invest in a durable DCFC that includes UV-resistant exterior
- Minimize DCFC maintenance costs with the Native Smart Charge 175 kW's state-of-the-art liquid-cooling system

Why Native Smart Charge?

Faster charging

Drivers can charge vehicles to 80% battery capacity in under 20 minutes

Eligible for incentives

Native Smart Charge is approved for utility and government incentive programs

Plug and Charge support

Charge your vehicle easily and safely without the need to authenticate yourself using any software, RFID card, mobile app

Attract EV drivers

Put your business on the map and join a fast-growing network that serves thousands of EV drivers

Universal compatibility*

CCS-1 and CHAdeMO compliance ensures compatibility with all EVs

Smart charging software

Use the Native Smart Charge® software platform to collect payment and grant station access

*USA and Canada only

Native Smart Charge 175 kW Dispenser Specifications

Connectors	> Single CCS1 > Dual CHAdeMO and CCS1
Cord Length	> 13.5 ft
Output current	> CCS1 up to 350A; CHAdeMO up to 200A
Output Voltage	> CCS1 200 Vdc to 920 Vdc; CHAdeMO 200 Vdc to 500 Vdc
Electrical Output	> Up to 175 kW
Supply Frequency	> 60 Hz
IP/IK Rating	> IP65, NEMA Type 3R;
Efficiency	> V 400 Vdc – I 350 Adc – 96,2% > V 400 Vdc – I 75 Adc – 95,8% > V 860 Vdc – I 200 Adc – 97,5% > V 860 Vdc – I 50 Adc – 97,4%
Power Factor	> V 400 Vdc – I 350 Adc – 0,99 > V 400 Vdc – I 75 Adc – 0,87 > V 860 Vdc – I 200 Adc – 0,99 > V 860 Vdc – I 50 Adc – 0,93
Self Consumption (idle condition)	> Active power 124,7 W > Reactive power -71,8 VAR
Temperature	> -30°C to 50°C (-22°F to 122°F)
Altitude	> 9000 ft
Authentication	> RFID supported with standards: MIFARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC, EMV 2.0
Payment	> Optional credit card reader that supports Visa, American Express, MasterCard, Apple Pay and Google Pay.
Native Smart Charge® Enterprise Software	> Precision measurement of power, energy, voltage & current > Web-based portal: set payment rates and charging hours; monitor charging status and consumption data; control station access; load balancing > Driver app to monitor and pay for charging (iOS & Android)
Weight	> 573 lbs/260 kg
Dimensions	> 2,011 mm (79 in) (H) x 993 mm (39 in) (W) x 531 mm (21 in) (D)
Certifications*	> cUL, UL, CHAdeMO, RCM, FCC, IC

*Certifications and registrations are anticipated and subject to change.



Native Smart Charge 175 kW Power Cabinet Specifications

Input	> 480VAC (Canada 600VAC) +/-10% 3ph ;
Input Overvoltage Category	> Category 3
Output Voltage	> 950V DC
Electrical Output	> Up to 178 kW
Supply Frequency	> 60 Hz +/-10%
Total Harmonic Distortion	> <13%
Temperature	> -35°C to 50°C (-31°F to 122°F)
Altitude	> 9000 ft
IP/IK Rating	> IP54
Power Supply	> Battery backed UPS
Network Connection	> 4G and Gigabit Ethernet
Dimensions	> 2,110 mm (83 in) (H) x 660 mm (26 in) (W) x 1,060 mm (42 in) (D)
Weight	> 1102lb/500kg; 2178lb/980kg with transformer
Communication Protocol	> Open ADR Certified. OCPP 1.6J with TLS1.2 encryption and Smart Charging Profile



GRID Connection Parameters

Maximum Current	> At 480 VAC - 250A (Canada at 600VAC - 200A)
Overcurrent Protection	> UL Listed 320A (Canada 250A) Breaker (The nominal rating must not exceed 320A in order to maintain primary protection for the LV transformer)
Minimum Buried Cable for AC Link	> Twin 3/0 Cu for L1, L2, L3 > Single 3/0 Cu for PE
Maximum Length for Buried Cable for AC Link As Described Above	> 656ft/200m
Warranty	> 2 years*

**Installation must be done by an OEM certified installer to guarantee warranty coverage. Native Smart Charge is a certified OEM installer and can be your single destination for EV hardware, software, and installation services.*