
200kW DC FAST CHARGER

Specifications Sheet

FC200K-B2-PS

Max Power: 200kW



ATOM[®]
POWER

FC200K-B2-PS

North America

Mechanical Size (WxDxH)	Without LED Banner With LED Banner	700mm x 830mm x 2050mm (2.29ft x 2.72ft x 6.72ft) 700mm x 830mm x 2320mm (2.29ft x 2.72ft x 7.61ft)
Weight	Without LED Banner With LED Banner (LED Banner: Option)	535kg 550kg
Input	Voltage Frequency Power Factor Max. Current	AC480V±10% / 3P(R,S,T)+N 50/60 Hz >0.95 (Typ) 270A
Output	Voltage Range Current Range Max. Power	150-1000Vdc 350A (Boost 500A, Max 10 min @+25°) 200kW
Cable	Type Length (m)	Dual CCS1 (Non-cooled) 5m (Outside Length: External Cable + Connector Body)
Efficiency		> 95% @ Max. Load
Power Sharing	Charging Scenario	Forced Power Sharing (100kW + 100kW)
Power Module	Max Power (kW) Input (Vac) Output (Vdc) PFC (%)	25kW AC 380-480V (±10%) DC 150-1000V PFC ≥ 0.99 at ±10%, Voltage @ >50% load
Metering Accuracy Networking Connection Communication Protocol		Less than 1% 4G, LTE Modem OCPP 1.6j (Core : Supported) (OCPP 2.0.1 minimum : Upon request)
User Interface	LCD Display User Authentication Payment Cable Management Emergency Button Operation Button	32FHD (1920x1080) Touch Screen RFID (ISO/IEC 14443A/B, ISO15693) Nayax VPOS : IC Reader, NFC (Mifare), Payter P68 : NFC (Mifare) √ √ √ (3 buttons)
Environmental	Operating Temp. (°C) Storage Temp (°C) Humidity (%) Altitude (m) Noise Level	-35°C to +55°C (with derating) (-31°F to +134.6°F) -40°C to +70°C (-40°F to +158°F) 5 to 95% R.H. without condensing 2,000m (6561ft) < 60dB
Enclosure Design	IP Level IK Level Filter Rating Air Flow Design	Outdoor, NEMA 3R IK10 (Touch screen, IK08) G2 Filter Ventilation by fan control
Lightings		Front Door Light only (Full RGB LEDs) LED Banner for front & rear sides
Protective Function		Over Voltage Protection Over Current Protection RCD Type A + DC 6mA Proximity loss Protection Over Temperature Protection FG Disconnection Detect Protection SPD (Surge Protection) IMD (Insulation monitor device)
Regulation	Certificate Mark Safety EMC Metering Charging Interface	NRTL (UL) UL2202, UL2231-1, UL2231-2, UL991, UL1998, CSA FCC Part 15 CTEP (NTEP) (To be discussed) DIN70121, ISO15118-2 (PnC)



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