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Ultrafast Chargers

DC Type - EV Chargers



Electric Vehicle Infrastructure

UFC 60kW / 120kW / 240kW DC Fast Charging Station

The UFC all-in-one DC fast charger offers power up to 240 kW, with convenient charging times for every EV, including those with HV batteries.

The compact, modular design makes it perfect for retail, highway, or fleet use, with power sharing to further optimize utilization. All UFC chargers feature connectivity for remote services and OCPP enablement.



UFC “all in one” chargers are offered from 60kW to 240 kW. The UFC 60 and 240 models can charge two vehicles at the same time.

60 kW

UFC 60

One EV
up to

60 kW

30 kW

UFC 60

two EV
up to

30 kW (Each)

120 kW

UFC 120

One EV
up to

120 kW

120 kW

UFC 120

two EV
up to

30 kW & 90 kW
(Real time load sharing)

240 kW

UFC 240

One EV
up to

240 kW

240 kW

UFC 240

two EV
up to

120 kW
(Each)



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The UFC 60/240 is available with CCS-only, CCS-dual and CCS+CHAdeMO dual outlets. Cable management options enhance reliability and usability.

UFC DC Fast chargers with power up to 240 kW are designed for the most compact, reliable and futureproof demands. In addition to a range of power selections, UFC chargers can be configured with CCS and CHAdeMO connector cables, in single or dual outlet format. Cable management, payment enablement and connectivity choices also offer owners, operators and site hosts options tailored to the needs of every charging site, from public to fleet needs.

can meet the needs of high voltage BEVs up to 1000V, making these systems fully compatible with all current and future EVs. With a host of configuration options, UFC DC fast chargers are ready to support EV market growth over time.

Power sharing for high utilization Enabling every business model is critical for EV charging infrastructure. With this goal in mind, UFC has designed the UFC 60 and UFC 240 models with power sharing technology, which is capable of charging two vehicles at the same time.

The most reliable, scalable choice UFC chargers offer redundant power architecture for the highest uptime in the EV infrastructure industry. Additionally, UFC chargers Simultaneous charging can deliver higher utilization for every charging asset, a major key to public and fleet electrification success.



Technical Specification

Specifications	UFC 60	UFC 120	UFC 240
Electrical			
Maximum output power	60 kW or 30 kW x 2	120 kW Real Time Dynamic Load Sharing	240 kW or 120 kW x 2
AC Input voltage	480 / 280 VAC +/- 10 % (50 Hz)		
AC input connection	3-Phase : L1, L2, L3, PE		
Nominal input current and input power rating	120 A	250 A	400 A
Recommended upstream circuit breaker(s)	150 A	300 A	500 A
Power Factor*	> 0.99		
Current THD*	< 5%		
Short circuit current rating	65 kA		
DC output voltage	CCS-2: 150 - 1000 VDC		
DC output current	CCS-2: 200 A, CHAdeMO: 200 A (Optional)	CCS2 250 A	Optional CCS2 375 A (peak) high current cable(s)
Efficiency*	96		

Specifications	UFC 60	UFC 120	UFC 240
Interface & Controls			
Charging connector protocols	CCS2		
User interface / Authentication	10" high brightness full color touchscreen display / QR based charging		
RFID system	ISO/IEC 14443A/B, ISO/IEC 15393, FeliCa™ 1, NFC reader mode, Mifare, Calypso, (option: Legic)		
Network connection	GSM/3G/4G modem; 10/100 Base-T Ethernet		
Communication	OCPP 1.6, 2.01 Core and Smart Charging Profiles; Autocharge		
Supported languages	English (others available on request)		
Environment			
Operating temperature	-35 °C to +55 °C / -31 °F to +131 °F (de-rating characteristics apply at extreme temperature))		
Recommended storage	-10 °C to +70 °C / 14 °F to +158 °C (dry environment)		
Protection	IP54, NEMA 3R; indoor and outdoor rated		
Humidity	5% to 95%, non-condensing		
Altitude	2000 m (6560 ft)		
General			
Charge cable	6 m (19.6 ft)		
Dimensions (H x W x D)	2000 x 750 x 650 mm		
Weight	250 kg	300 kg	395 kg
Compliance and safety	C22.2 No. 107.1; NEC Article 625, EN 61851, EN 62196; DIN 70121, ISO 15118; IEC 61000-6-3; EMC Class A, FCC Part 15, ARAI Certified		



Key features

- A compact, all-in-one charger from 60 kW to 240 kW
- UFC 60/120/240kW can fast-charge two vehicles at the same time
- Paralleled power module topology with automatic failover offers high uptime through redundancy
- Delivers output power continuously and reliably over its lifetime
- Flexible configurations include CCS-single, CCS-dual, and CCS+CHAdeMO-dual outlets
- Up to 1000 VDC for every passenger or fleet EV
- Bright, daylight-readable touchscreen display with graphic visualization of charging session
- High short circuit current rating
- EMC Class A certified for safe use at fuel stations, retail centers, offices, and residential-adjacent sites
- Design enables ADA-compliant installations
- RFID authorization modes
- Always connected, enabling remote services, updates, and upgrades
- Robust all-weather powder-coated stainless steel enclosure
- Quick and easy installation as well as serviceability



Wi-Fi & 4G LTE



QR
CodePayment



Charger
Pre Booking



LED
Indication



Earth Fault/ Surge
Protection



Emergency
Stop



Encrypted User
Privacy Protection



OCPP 1.6 JSON



24/7
monitoring



Configurable Over Current / Voltage
Under Current / Voltage



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Optional features

- Reliable cable management system available as ordered or field upgrade
- High current option can deliver up to 375 A for faster peak charging without liquid-cooled cables
- Customizable user interface
- Integrated payment terminal
- Integration with OCPP networks, payment platforms, and energy management
- Autocharge and ISO 15118 enabled

Why charging operators and fleets prefer UFC?

- UFC offers the most advanced, safe, and reliable EV infrastructure and grid-connected technologies
- UFC Connected Services enable every business and remote services model
- UFC's years of EV charging experience and close cooperation with EV OEMs, networks, and fleets

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