



ristretto&charge 4in1

Ultra fast charging for everyone

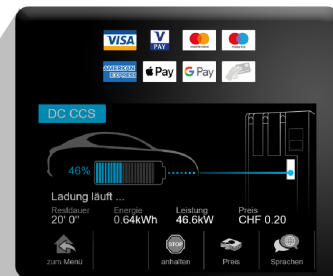
ristretto&charge is a high-performance charging station that can be equipped with modular units capable of delivering up to 384kW of DC charging power. The high charging voltage ranging from 150 to 920V is just as much a given as the support for all fast charging standards of automotive manufacturers. This allows not only electric passenger cars but also electric commercial vehicles to be quickly supplied with the necessary energy again. Through the two DC charging outputs (2x CCS/CCS and CHAdeMO), two electric vehicles can be simultaneously supplied with energy.

Through the 22kW AC socket, a third vehicle can be charged in parallel. Different payment and access systems are optionally available. This allows the ristretto&charge to be customized according to your specific needs.

Payment-Terminal

Optionally, the fast charging station can be equipped with an NFC payment terminal. This supports all major credit and debit cards and also enables payment with smartphones. Regardless of the charging network, the charging costs are visible on the display in real-time, which means full control over costs.

- 384kW capacity
- Current 2x 480A
- High Power CCS2
- Load Management



Simultaneous charging

The ristretto&charge can simultaneously supply energy to up to three electric vehicles in parallel. The smart energy distribution between two electric vehicles is controlled by the integrated dynamic load management system.





Easy to use

The ristretto&charge, like the coffee&charge, cappuccino&charge and espresso&charge quick chargers, meets the highest safety and quality standards. All our chargers are designed for everyday use even in harsh environments and are intuitive and user-friendly to use. The user can therefore choose between different languages and operation is possible even while wearing gloves. Like all EVTEC products, espresso&charge was developed and manufactured in Switzerland.



- 384 kW charging capacity
- Charging current 2x 480 A
- High power CCS2
- Load management

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ristretto&charge charging station	
DC plug	CCS-Type2, IEC 62196-3; CHAdeMO JEVs G105
DC charging capacity	384kW / 2x 192kW
DC safety	Short-circuit protection, overcurrent protection, overvoltage protection, undervoltage protection, insulation monitoring, earthing monitoring
AC charging capacity	22kW, AC type 2 socket
AC safety	Residual current protection device (type B), overcurrent protection, earthing monitoring
DC output current	1x 500A or 2x 480A (CCS, dynamic switching)
DC charging cable air-cooled	CCS2: 500A peak, 250A continuous current CHAdeMO: 125A continuous
DC output voltage	150-920V DC
AC Netzanschluss	L1, L2, L3, N, PE, 3x400V ±10%, 50/60Hz
AC mains connection	585A
CHAdeMO	Rev. 0.9.1 (certified), Rev. 1.2 (compatible) JEVs G105
Combined Charging System (CCS2)	DIN 70121, ISO 15118, Plug IEC 62196-3
Output variants	3in1: 2x CCS2, CHAdeMO or CCS2, CHAdeMO, AC type 2 socket 4in1: 2x CCS2, CHAdeMO, AC type 2 socket Additional variants upon request
Charging cable / cable management	Cable lengths: Standard 3.5m per charging cable / optionally with 5m cable management, cable retraction for two DC cables
Screen / HMI	7" with good readability in all conditions / power, energy display, battery level and charging costs in real time
RFID	ISO/IEC 14443A, ISO7816, MIFARE Ultralight®, NTAG203, MIFARE Mini, MIFARE Classic® 1K, MIFARE Classic® 4K, FM11RF08
Communication and interfaces	OCPP 1.5, OCPP 1.6, OCPP 2.0 (ready), JSON / SOAP, Ethernet-Port, GPRS, UMTS, LTE
Access / payment systems	RFID (eCarUp, Move, swisscharge, etc.), Optional: NFC authentication, credit and debit cards such as Visa, Mastercard, Maestro, V-Pay, Apple-Pay, Google-Pay, Samsung-Pay
Environment / vandalism	IP 54 und IK 10
Operating temperature	-20°C bis +45°C
Storage	-40°C to +85°C with RF 5% to 95% (non-condensing)
Maximum noise level	70dB(A) in 1m
Short-circuit resistance	10 kA Icu
EMC	EN 61000-6-1, -2, -3, -4
Conformity	EN 61851-1, -22, -23; EN 62479; EN55011 + A1
Excess voltage	Type 2 + type 3 / class II Optional: Type 1 + type 2+ type 3 / class I + class II
Efficiency	94.5% (at > 50% power)
Leistungsfaktor	> 0.98 (at > 50% power)
THDI	≤5%
Floor mounted	according to foundation drawing
Dimensions (D x W x H)	840 x 853 x 2079 mm (dimensions without cable management)
Weight	630kg
Mounting height MASL	2000

the &chargefamily



-  **bricco corretto system**
Up to 2x 192kW DC charge power with distributed architecture for depot applications.




-  **moka corretto system**
Up to 384kW DC charge power with distributed architecture and minimal footprint for dispenser.




-  **ristretto&charge**
High power charger with up to 384kW DC and voltages up to 920V. Charge 3 vehicles simultaneously.



-  **cappuccino&charge**
100kW DC, including dynamic load distribution, charges up to three vehicles at the same time.



-  **move&charge**
Plug&play 20kW DC + 22kW AC charge. Optional version with 1000V, available with all DC-plugs.