



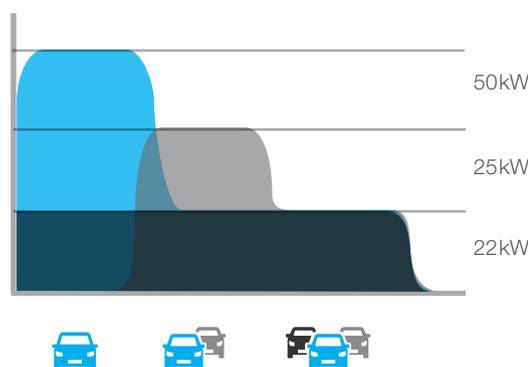
# cappuccino&charge 3in1

## Ready for all electric vehicles

cappuccino&charge allows for parallel charging at 3 outputs with up to 50kW (or 2x 25kW) DC and 22kW AC. It supports all existing fastcharging standards with up to 600V. Thanks to the OCPP-compatibility, all common payment- and access solutions are easily integrateable and allow ideal charging i.e. at hotels and restaurants, or in municipal applications.

## Dynamic power management

cappuccino&charge intelligently adjusts the output power while parallel charging, so that all connected 3 vehicles are optimally catered for at the same time. This so-called "dynamic DC-power splitting" is available optionally.



3 parallel chargers  
fully OCPP compatible  
load management  
dynamic power splitting



## The dynamic AC/DC charging station

cappuccino&charge 3in1, the fast charger for multiple applications, supports the three most important fastcharging standards (DC CHAdeMO, DC Combined Charging System, and AC type 2 mode 3). That allows to charge every electric vehicle.

The station supplies power for up to three cars at the same time and delivers roughly 100 kilometers of driving range in 20 minutes charging time.





## Fastcharging for everybody

cappuccino&charge, like the 150kW super fastcharger espresso&charge, is built to the highest safety & quality standards. The chargers are developed for demanding daily use in rough conditions and still easily and intuitively operated. For example, the users can easily see the power output of the station during a charge on the color display. As all EVTEC products, cappuccino&charge was developed in Switzerland.



- 3 parallel chargers
- fully OCPP compatible
- load management
- dynamic power splitting

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Technical Specifications				
Input AC	Grid connection	AC 3 - phase + N + PE		
	Input voltage range	400V <sub>AC</sub> +/- 10%		
	Nominal input current 3 x 32A	3 x 32A <sub>AC</sub> - 3 x 300A		
	Input frequency	45 - 65Hz		
AC Output Socket	AC Socket	IEC 62196 Mode 3, Type 2		
	Socket Nominal AC output power (option) Nominal AC output voltage	22kW 400V <sub>AC</sub>		
	Nominal AC output current	3 x 32A <sub>AC</sub>		
	Safety	- Residual current operated device (type B) - Overcurrent circuit protection - Earth monitoring		
DC Output	DC Plug	Plug 1	 CHAdeMO JEVS G105	
		 CSS IEC 62196-3		
	Maximum DC Output power	25kW - 50kW		
	DC Output voltage range	170 - 600V <sub>DC</sub>		
	Maximum DC Output current	50 - 125A <sub>DC</sub>		
	Power factor (50% load)	> 0.99		
	Efficiency	93% at full load		
	Safety	- Short circuit protected output - Overcurrent circuit breaker - Overvoltage protection - Low-voltage protection - Insulation protection - Grounding protection		
	General	Operating temperature	-20°C to +45°C	
		Storage temperature	-40°C to +85°C	
Relative humidity		5% to 95% (without condensation)		
Protection		IP 54 (indoor / outdoor use)		
Dimensions (B x H x T)		1900 x 500 x 300 mm		
Standards	Mass	200kg		
	Electrical safety (xFC1)	IEC 61851-1, IEC 61439-2		
	EMV	EN 61000-6-1, -2, -3, 4, EN 61000-3-2		
	CHAdeMO	Rev. 0.9.1 (certified), Rev. 1.2 (compatible)		
	Combined Charging System (CCS)	DIN 70121 (interoperability test BMW, VW, GM) ISO 15118 Plug IEC 62196-3		
Options	Backend Interface	Payment by smartphone		
	Access/payment systems	RFID Authentication		
	Remote management	OCPP 1.5, OCPP 1.6 (JSON / SOAP)		
	Fixation	Steel construction for foundation opt2020 Surface mounting kit		
	Adaptor	Adaptor Cable Type 2 Socket - Type 1 Connector Adaptor Cable Type 2 Socket - Tesla Roadster		
	Connectivity	Ethernet, GSM / GPRS / UMTS or Powerline		

the &chargefamily: [www.andcharge.com](http://www.andcharge.com)



 **espresso&charge**  
Up to 150kW DC + 65kW AC charging for all vehicles. Charges up to four cars at the same time.



 **cappuccino&charge**  
Two times 25kW DC, including dynamic load management and a color display, allow easy and fast charging of all EV's.



 **coffee&charge**  
Quick and easy charging with up to 20kW DC + 22kW AC. Billing and bi-directional charging possible.



 **move&charge**  
Plug&play 20kW DC + optional 22kW AC charging. For fleet operators, repair shops and spontaneous use.



 **sospeso&charge**  
With the 10kW DC charger, your EV can easily be connected to your house or business.