

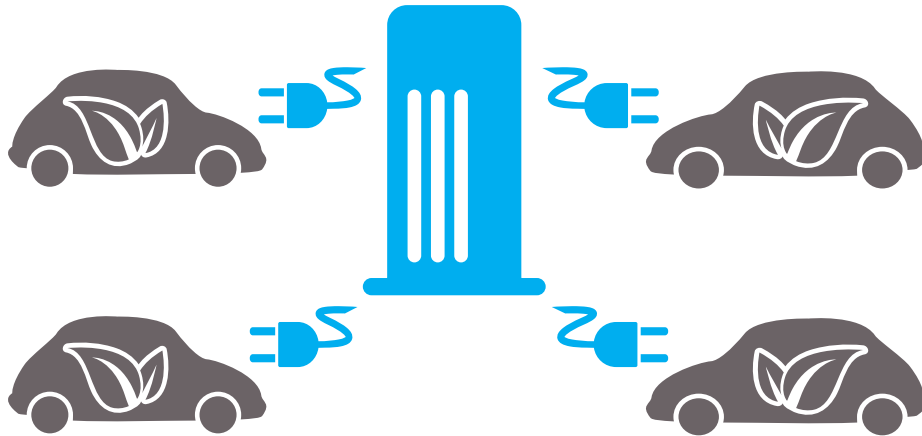
Ultra Fast Electric Vehicles Charger

www.delta-emea.com

 **DELTA**
Smarter. Greener. Together.

Ultra Fast Charger

Product details



The ultra fast charger supports the quick charge standards of all European, Asian and North American electric vehicle (EV) manufacturers, supporting actual and future generations of EV which are demanding higher charge capacity than 50kW. The charger enables simultaneous charging up to 4 cars. 2 charge points are available for DC quick charging up to 120 kW and 2 charge points are available for AC charging up to 65 kW. The DC charging concept is based on a modular rectifier platform offering the scalability up to 120 kW DC. The modularity, quality, product reliability and remote supervision maximize the uptime of the charge service.

The charger supports a variety of payment and access systems and is very simple and intuitive to use.

The charger is the optimal solution to establish a quick charge network, corridor or to build the quick charge infrastructure for fleet operation.

- Modular scalability to charge next generation cars
- Simultaneous charging up to 4 cars
- Dynamic power management to minimize charge time
- Configurable grid overload protection
- Easy to install, operate & service
- 2 DC charge points – total up to 120kW DC
- CCS up to 120kW DC
- CHAdeMO up to 63kW DC - only limitation by current plug standard
- 2 AC charge points – total up to 65kW DC
- Type 2 plug 43kW
- Type 2 socket 22kW
- Wireline & wireless connectivity: Ethernet, 3G, GPRS
- Remote software, configuration & whitelist update
- Backend system integration with OCPP 1.5
- Local authentication with RFID & whitelist
- Remote authentication & billing managed over OCPP interface
 - integration of smartphone applications
 - integration with roaming service providers

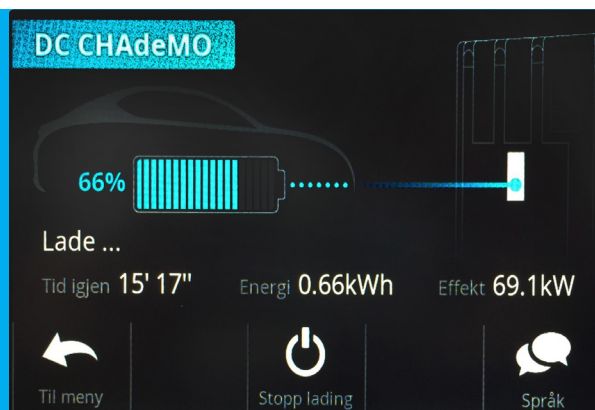


Photo example:
Charging session
with Kia Soul EV 2015



User friendly

The new charger simplifies this process to only 2 steps:

1. Connect charge cable to the car
2. Authenticate & the charge start automatically

No selection of the charge gun
No buttons to start the charge

Time saving

The charger's high power capacity, in combination with its adaptive charge-power, will significantly reduce the charge time for cars, which are able to take more than 50 kW charge-power.

Example: A car which can take 68 kW and 100 km driving range can be charged within 13 min - 35% faster compared to a 50 kW charger.

Moreover, the charger's capability to simultaneously work with up to 4 vehicles reduces the problem of needing to wait for available outlets.

Future-ready

Delta has set up an organisation to support the evolving needs of e-mobility: evolution of electric vehicles, standards, regulations, etc.

The ultra fast charger has a modular rectifier concept to support scalability for larger power demand and for higher charge voltages up to 1000V.

Scalable concept, including scope to expand the development of solutions for e-bus, e-truck charging and more.

The system is designed so that charge cables and guns can be replaced upon future evolution.

CCS cable and gun are prepared to support charge currents of up to 200A and up to 850V battery system.

Ready for upcoming CHAdeMO charge current enhancements.



Compliant with

- Compliance & safety: IEC 61851-1
- EMC: IEC 61851-21-2 based on EN 61000-6-x family
- ROHS: EN 50581
- CHAdeMO: IEC 61851-23 / -24, JEVS G 105, Rev. 1.0.1 compliant
- CCS: IEC 61851-23 / -24, IEC 62196-3
DIN 70121 interoperability tests with VW, BMW, General Motors
- AC charge points: IEC 61851-22, IEC 62196-2 Mode 3, Type 2 connector



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