

KREISEL 

CHIMERO 180

HIGH POWER CHARGER &
ELECTRICAL ENERGY STORAGE

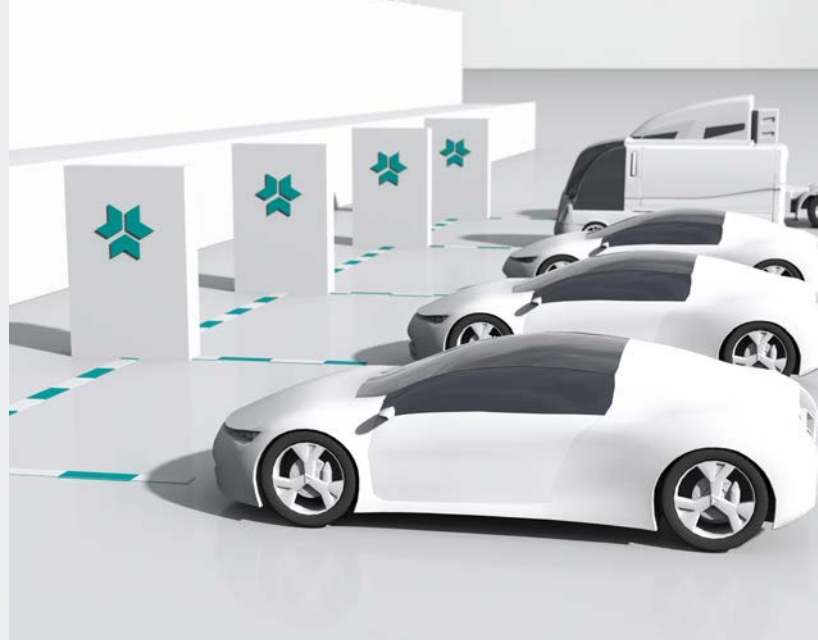


Up to 180 kW
configurable High Power Charger

kreiselelectric.com

KREISEL CREATES INFRASTRUCTURE

With the **integrated battery storage** in CHIMERO HPC&EES, electric cars can be fully charged quickly **without straining the grid**. The net-conductive grid connector with moderate requirements related to the grid provides the basis for this solution. The compact size makes it a flexible **plug & play solution** for any location. The battery can be **charged continuously** from the grid or from renewable energy sources such as wind power or photovoltaic plants and release the stored energy as required.



For Partial Self-Sufficiency
92 kWh battery



High Power Charging
up to 3 EVs DC
simultaneously



For Consumption Optimization



Easy PV Integration



Advertisement & Interaction



Smart Data Marketing



Low Power Supply



Individual Configurable Cables

COMPLETELY NEW BUSINESS OPPORTUNITIES

CHIMERO HPC&EES is far more than a fast charging station and offers the operator a list of interesting refinancing models. It makes a contribution to **partial self-sufficiency** for **fail-safe operation of basic load utilization**. It is also possible to **optimize self-consumption** via an Energy Management System (EMS). Even **grid services** and **market participation** can be implemented through intelligent interfaces.

Charging points	CCS-2 (DC) 90-180 kW - liquid cooled cable CCS-2 (DC) 90-180 kW - liquid cooled cable CHAdeMO (DC) 60 kW
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Grid connection	3-phase, TN 400 V AC / 50 Hz 60 kW
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Battery system	Lithium-Ion technology 92 kWh usable energy content Monitored and active heating and cooling system
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Operating conditions	-25°C to +50°C ambient temperature Outdoor IP54 / IK10
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Dimensions	1.310 x 1.000 x 2.340 mm
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Weight	1.976 kg (standard model)
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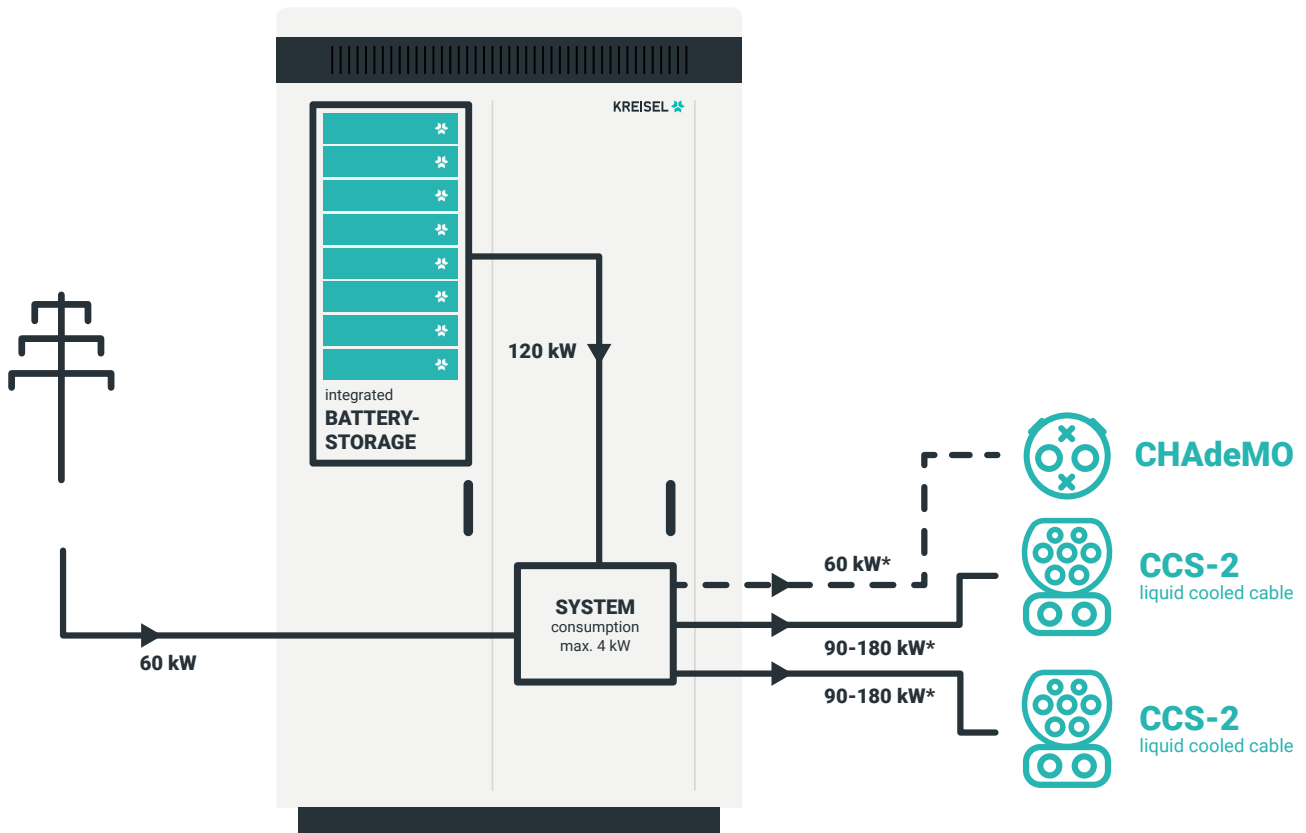
Communication standards	OCPP 1.6j RFID card reader Ethernet RJ45 TCP/IP Modbus RS485
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CHIMERO 180 ENERGY FLOW SCHEME



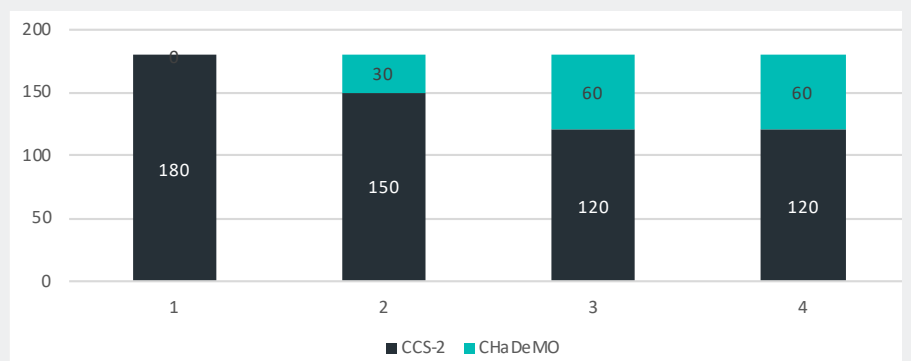
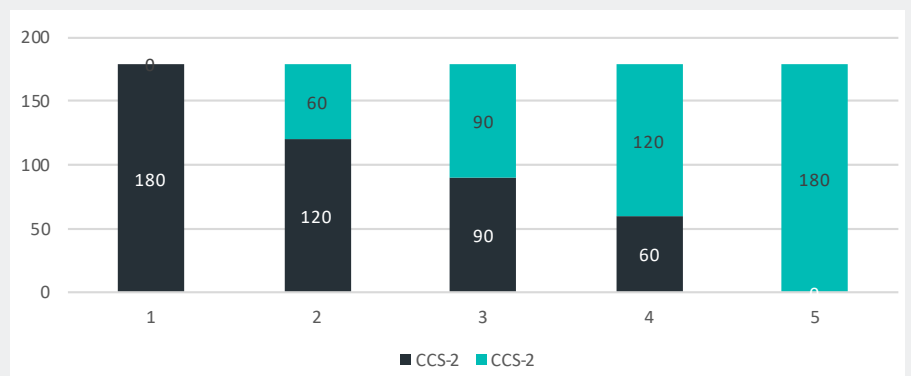
Simultaneously charging with up to 90 kW DC each EV or 180 kW for one EV



*Effective output power is controlled by vehicle and can be lower

CHIMERO 180 ACTIVE BALANCING

Switching matrix with hardware redundancy for highest reliability



CHIMERO 180 ROADMAP OUTLOOK

BI-DIRECTIONAL VERSION



Real Peak Shaving



Grid Services



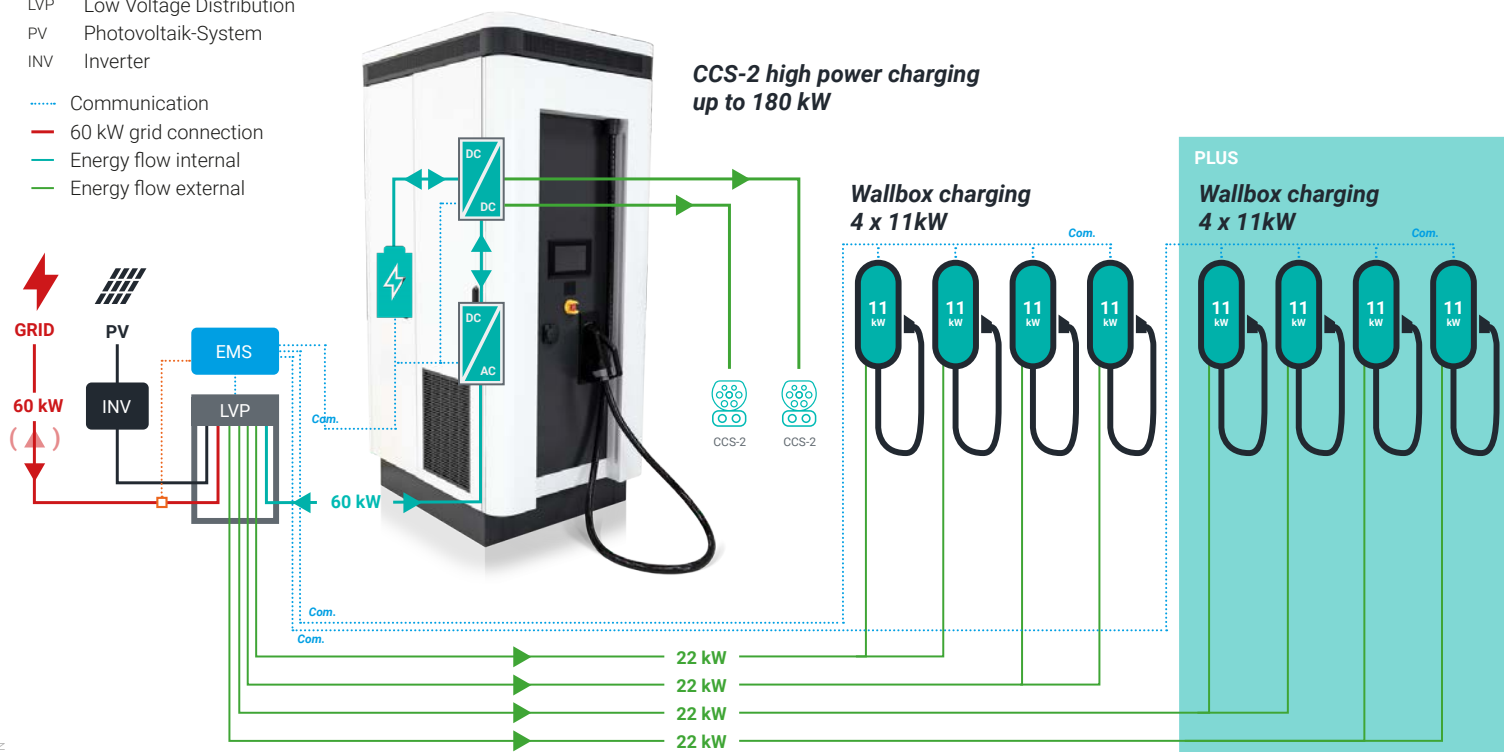
Direct Payment
Credit Card, Debit Card, Wallet

COMING IN Q1 2022

CHIMERO 180 WITH WALLBOXES AND INTEGRATED ON/OFF-GRID-SOLUTION (PV-SYSTEM)

- EMS Energy-Management-System with external metering
- LVP Low Voltage Distribution
- PV Photovoltaik-System
- INV Inverter

- Communication
- 60 kW grid connection
- Energy flow internal
- Energy flow external



TECHNICAL FACTS AND FEATURES PRELIMINARY AND CAN CHANGE



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