

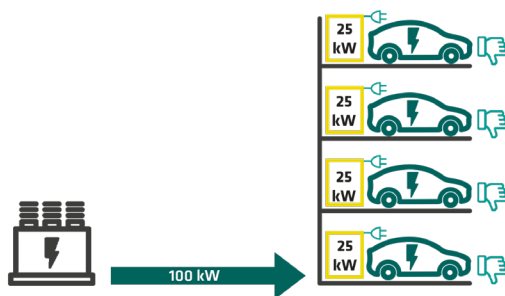


EVtap®

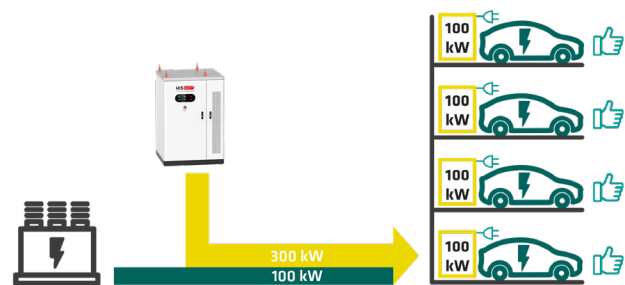
Fast DC Charger 180 kW (EVTAP-180K-5M-2C)

DATASHEET

Rush Hours without HISbatt



Rush Hours with HISbatt



Highlights

- + Simultaneous charge to up to 2 EVs or E-buses (Dual CCS-2)
- + Easy to install with up to 180 kW DC charging power
- + Plug & Charge ISO 15118-2
- + Charge electric vehicles with 100% solar power
- + Intelligent operation with PV self-consumption optimization, Dynamic load management, and Scheduled Charging
- + Cable Length: 2 x 5m with cable management system
- + Easy HISbatt integration for small grid connections
- + OCPP 1.6 and OCPP 2.0.1 support for easy backend integration
- + ISecure User Identification Via RFID or Mobile App or Payment Terminal

Enhanced Performance with HISbatt Integration:

Integrate EVtap® with the HISbatt turnkey energy storage solution to empower your Fast EV Charging business. Maintain small grid connections and enjoy reduced demand charges without sacrificing power during peak times, ensuring your EV charging stations operate efficiently and cost-effectively.

Boosted Profitability and Customer Satisfaction:

Adopting the EVtap® and HISbatt solution not only optimizes operational costs but significantly enhances the charging experience for your customers, driving increased profitability and ensuring high levels of customer satisfaction.

Eco-Friendly and Cost-Efficient for Logistics:

For logistics companies, the synergy between EVtap® and HISbatt becomes even more advantageous. Incorporate PV self-consumption and peak shaving into your energy strategy to access the most affordable and eco-friendly energy solutions for your electric fleets, championing sustainability while optimizing costs.



Technical Data

Fast DC Charger 180 kW

(EVTAP-180K-5M-2C)



Performance Specifications

Model	EVTAP-180K-5M-2C
Power Output	180 kW (can be throttled)
Nominal Voltage	400V \pm 15% VAC
Output Current	250A MAX Per Connector
Efficiency	\geq 94%
Output Voltage	150 Vdc to 1000 Vdc
Frequency	50 / 60 Hz
Power Factor	\geq 99

Interface

Charging Cables	2 x 5m (CCS-2)
Display	8" TFT LCD Touch Screen
Payment Terminal	Payter, Nayax (Optional)
Push Buttons	Physical buttons for Multi-functional purpose, Emergency stop
Charge Options	Charge by duration, by energy, by amount
Supporting Language	German, English, Spanish
User Authentication	RFID Card, Mobile App, Remote Access

Communication

Network Interface	Ethernet, 4G
LAN	Yes, RJ45
OCPP	OCPP 1.6j, OCPP 2.0.1
External communication interfaces	Ethernet / MODBUS TCP
App Connection	Yes, with EVtap Connect App (iOS and Android) Access
V2H & V2G Module	Optional

Safety & Performance Specification

Residual current operated device / RCD	30mA AC & 6mA DC
Electrical Protection	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning Surge, Over temperature
Protection Type	IP55
Cooling	Forced Air
Color	Grey (Customizable)
Operating Temperatures	(-30 C to +55C) in operation, (-40C to +75C) in storage
Altitude	Up to 2,000m
Air Humidity	5% to 95% (non-condensing)
Dimension (mm)	1870 x 806 x 700 mm
Net Weight	450 KG
Standards & Certifications	CE, IEC/EN 61851-1, IEC/EN 61851-23, IEC/EN 61851-21-2
Guarantee	2 years