EVtap
■ e-mobility solutions

HISENERGY
■ empowering tomorrow smartly

EVtap UltraCharge
240 / 300 / 360 / 420 kW DC

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Key Features

⊕ **Simultaneous charging** of up to 2 EVs or e-buses (Dual CCS-2)

⊕ **Easy installation** with up to 420 kW DC charging power

⊕ **Plug & Charge** according to 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 × 5 m with integrated cable management system

⊕ **Simple HISbatt integration** for small grid connections

⊕ **OCPP 1.6 and OCPP 2.0.1 support** for seamless backend integration

⊕ **Secure user identification** via RFID, mobile app, or payment terminal

Rush Hours without HISbatt

25 kW
25 kW
25 kW
25 kW
100 kW

Rush Hours with HISbatt

100 kW
100 kW
100 kW
100 kW
300 kW
100 kW

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 reduce demand charges without compromising power during peak times, ensuring your EV charging stations operate efficiently and cost-effectively.
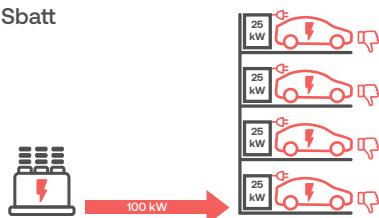
Boosted Profitability and Customer Satisfaction
Adopting the EVtap and HISbatt solution not only optimizes operational costs but also significantly enhances the charging experience for your customers—driving increased profitability and ensuring high levels of customer satisfaction.
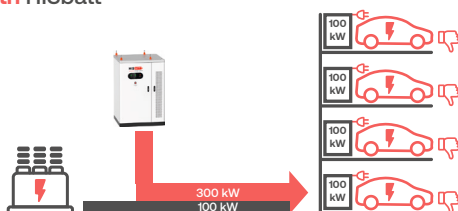
Eco-Friendly and Cost-Efficient for Logistics
For logistics companies, the synergy between EVtap and HISbatt becomes even more advantageous. Incorporating PV self-consumption and peak shaving into your energy strategy provides access to affordable and eco-friendly energy solutions for electric fleets—championing sustainability while optimizing costs.

www.his-renewables.com

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Technical Data

EVtap
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Performance Specifications

Model	EU-240-2-375-M-R-0-5	EU-300-2-375-M-R-0-5	EU-360-2-375-M-R-0-5	EU-420-2-375-M-R-0-5
Power	240 kW	300 kW	360 kW	420 kW
Nominal Voltage	400 V ±15 %			
Output Current	up to 500 A per connector, continuous 375 A			
Efficiency	≥ 94 %			
Output Voltage	150 Vdc to 1000 Vdc			
Frequency	50 / 60 Hz			
Power Factor	≥0.99			

Interface

Charging Cables	2 x 5 m (CCS-2)			
Display	21.5" CPT touchscreen			
Physical Button	Emergency stop			
Supported Languages	German, English, Spanish			
User Authentication	RFID card, mobile app, remote access			
Payment Terminal (Nayax, Payter, PAX)	optional	optional	optional	optional
Item number with payment terminal	EU-240-2-375-M-R-0-5	EU-300-2-375-M-R-0-5	EU-360-2-375-M-R-0-5	EU-420-2-375-M-R-0-5
Cable Management System	Yes			

Communication

Network Interface	Ethernet, 4G
LAN	Yes, RJ45
Protocols	OCPP 1.6J, OCPP 2.0.1, ISO 15118
External Communication Interfaces	Ethernet / MODBUS TCP
App Connection	Yes, with EVtap® Connect App (iOS und Android) access

Safety and Performance Specifications

Electrical Protection	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning Surge, Over temperature			
Protection Type	IP55, IK10			
Cooling	Forced Air			
Colour	Grey (Customizable)			
Operating Temperature	-30 °C to +55 °C			
Storage Temperature	-40 °C to +75 °C			
Altitude	Up to 2,000 m			
Air Humidity	5 % to 95 % (non-condensing)			
Dimensions (WxDxH in mm)	1050 x 940 x 2374			
Net Weight	480 kg	515 kg	550 kg	585 kg
Standards & Certifications	CE, IEC/EN 61851-1, IEC/EN 61851-23, IEC/EN 61851-21-2			
Guarantee	2 years			