

EVtap

■ e-mobility solutions

HISENERGY

■ empowering tomorrow smartly

EVtap SuperCharge

180 / 240 kW DC

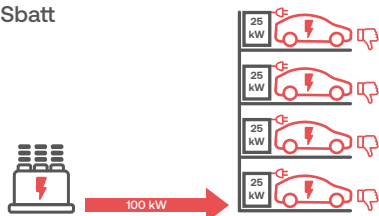


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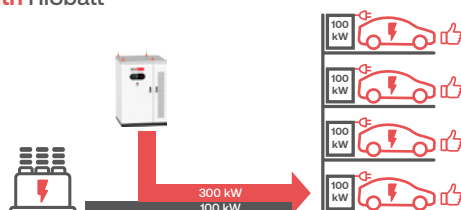
Key Features

- + **Simultaneous charge** up to 2 EVs or E-buses (Dual CCS-2)
- + **Easy to install** with up to 240 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
- + **Secure user identification** via RFID, mobile app, or payment terminal

Rush Hours **without** HISbatt



Rush Hours **with** HISbatt



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. 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.

Performance Specifications

Model	ES-180-2-300-M-R-0-5	ES-180-2-300-M-R-P-5	ES-240-2-375-M-R-0-5	ES-240-2-375-M-R-P-5
Power	180 kW		240 kW	
Nominal Voltage	400 V ±15 %			
Output Current	max. 240 A per connector			
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)	X	✓	X	✓
Cable Management System	Yes			

Communication

Network Interface	Ethernet, 4G			
LAN	Yes, RJ45			
Protocols	OCPP 1.6J, OCPP 2.0.1, ISO15118			
External Communication interfaces	Ethernet / MODBUS TCP			
App Connection	Yes, with EVtap® Connect App (iOS und Android) access			

Safety and Performance Specifications

Electrical Protection	overcurrent, short circuit, overvoltage, undervoltage, ground fault, lightning surge, overtemperature			
Protection Type	IP55, IK10			
Cooling	Forced air			
Colour	Grey (Customizable)			
Operating Temperatures	-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)	1092 x 771 x 2053			
Net Weight	430 kg		470 kg	
Standards & Certifications	CE, IEC/EN 61851-1, IEC/EN 61851-23, IEC/EN 61851-21-2			
Guarantee	2 years			

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