EVtap
e-mobility solutions

HISENERGY
empowering tomorrow smartly

EVtap FastCharge

60 / 120 kW DC

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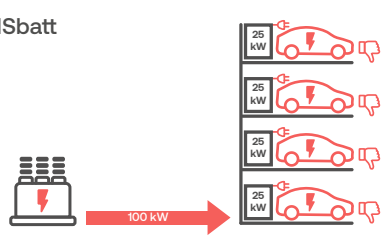
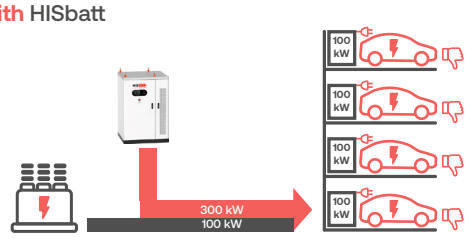
Key Features

- **Simultaneous charging** of up to 2 EVs or e-buses (Dual CCS-2)
- **Easy to install** with up to 120 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 is even more advantageous. Incorporating PV self-consumption and peak shaving into your energy strategy provides access to affordable and eco-friendly energy solutions for your electric fleets—championing sustainability while optimizing costs.

Technical Data

EVtap
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Performance Specifications

Model	EF-60-2-150-M-R-0-5	EF-60-2-150-M-R-P-5	EF-120-2-200-M-R-0-5	EF-120-2-200-M-R-P-5
Power	60 kW		120 kW	
Nominal Voltage	400 V ±15 %			
Output Current	max. 200 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)	✗	✓	✗	✓
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)	1055 x 470 x 1900	
Net Weight	270 kg	320 kg
Standards & Certifications	CE, IEC/EN 61851-1, IEC/EN 61851-23, IEC/EN 61851-21-2	
Guarantee	2 years	

Headquarter Germany
HIS Renewables GmbH
Siemensstraße 4
64760 Oberzent

T +49 606 8931 4430
E sales@his-renewables.com

France
HIS Renouvelables SARL
45 Impasse
Louis Ferdinand Hérold
34070 Montpellier

T +33 4 67 56 67 54
E info.fr@his-renewables.com

Spain
HIS Soluciones de Sistemas
Solares S.L.
Avenida de Brasil 17
28020 Madrid

T +34 916 620 493
E info.es@his-renewables.com

Turkey
HIS Solar Sistemleri A.S.
Halkapınar Mah. 1558. Sok. No: 2
Mahall Bomonti İzmir A1 Kule Ofis
Daire: 5111 35170, Konak,İzmir

T +90 232 422 0931
E info.tr@his-renewables.com

Poland
HIS Renewables Polska sp. z o.o.
Juliana Tuwima 48/11, 90-021 Łódź
T +48 576 030 900
E info.pl@his-renewables.com

BeNeLux
T +31 641 248 141
E info.nl@his-renewables.com