HVC200 | HVC300 | HVC360

Distributed Power for Heavy-Duty Fleets

Reliable Performance

360 kW

Distributed Power

Simultaneous Charging

≤ 4

Dispensers in Parallel

Flexible Site Setup

≤ 150 m

Between Cabinet and Dispenser

Power Specification

DC Output:	Output power shared between 1 - 4 outlets: Configurable as 200 kW, 300 kW, or 360 kW Dynamic Power Sharing (granularity): **HVC200:** 50 kW | **HVC300:** 75 kW | **HVC360:** 90 kW Output current (peak): **HVC200:** 285 A at 700 V DC, 250 A at 800 V DC **HVC300:** 430 A at 700 V DC, 375 A at 800 V DC **HVC360:** 500 A at 720 V DC, 450 A at 800 V DC Output voltage: 150 - 940 V Configuration of outlets: can be connected to 1 - 4 dispensers Power conversion efficiency: up to 96% Standby power: 130 W
AC Input:	Nominal voltage: (CE): 400 Vac (±10%) (NA): 480 Vac (±10%) Nominal input current (RMS): **HVC200**: (CE): 315 A (NA): 262 A **HVC300**: (CE): 470 A (NA): 392 A | **HVC360**: (CE): 560 A (NA): 470 A AC power rating: **HVC200:** (CE): 218 kVA (NA): 218 kVA **HVC300:** (CE): 326 kVA (NA): 326 kVA **HVC360:** (CE): 390 kVA (NA): 391 kVA Frequency: (CE): 50 Hz (± 4%) (NA): 60 Hz (± 4%) Earthing systems: TN-C, TN-C-S, TN-S, TT Inlet cable size: 3P + PE max.: 240 mm²/500 MCM AWG Power factor: ≥ 0.98 (Output power ≥ 10 kW) Total Harmonic Distortion (THD): < 5% Overvoltage category: III SPD: Type 2 SCCR: (CE): 25 kA (NA): 65 kA

System Specification

Operating Conditions:	Operating from -30°C to 55°C (-22°F to 131°F) with derating Storage from 5°C to 40°C (41°F to 104°F), IEC 60721-3-2 Altitude: up to 2000 m (6562 ft) Humidity: up to 95%, non-condensing Impact resistance: IK10 IP rating: IP54 Noise emission: 61 dB(A) at 1 m front side, 20°C (68°F), full power Intended use: indoor and outdoor Mounting options: floor mounted Environment pollution degree: Class 3 (outside), Class 2 (inside)
Form Factor:	Dimensions (H x W x D): 2180 x 1170 x 770 mm (85.8 x 46.1 x 30.3 in) Weight: **HVC200**: 830 kg (1830 lbs) | **HVC300**: 890 kg (1962 lbs) **HVC360**: 950 kg (2094 lbs) Enclosure type: AISI 430 Stainless steel Corrosion resistance: C5-H, ISO 12944

Customer Interface

Charging Interface Options:	Connector based (CCS1/2), Panto Down and Panto Up
Lighting:	4 RGB LEDs, 1 per outlet
Emergency Button:	External EMG button (optional)
Service Access:	Front door
Remote Management:	Access control, configuration, diagnostics, software updates[1]

Electrical Connection (Cabinet - Dispenser)

DC Power Cable:	(CE): 2 or 4 x 185 mm² (max.) (NA): 2 or 4 x 350 MCM AWG (max.)
Auxiliary AC Supply from Cabinet:	(CE): 230 V AC (3 x 4 mm²) (NA): 110 V AC (3 x 12 AWG)
Interlock Cables:	(CE): 2 x 2 x 0.75 mm² + shield (NA): 2 x 2 x AWG18 + shield
Distance & Communication:	(CE): Ethernet (max. 100 m), Fiber optional (max. 150 m) (NA): Fiber (max. 492 ft)

Standards & Compliance

Safety Standards:	IEC 61851-1 ed 3, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, UL 2202, CSA 22.2
Metering:	(CE): Eichrecht (in development) (NA): CTEP/NTEP (in development)
EMC:	Standard: EMC-Class A Conducted and Radiated, IEC 61851-21-2
Electrical Safety:	(CE): IEC 61439-7 (NA): NEC (NFPA 70)
Manufactured:	USA & Europe
Network Connections:	3G/4G, Ethernet (RJ45)
OCPP:	OCPP 1.6 JSON, OCPP 2.0.1 (in development)
Vehicle Communication Protocol:	DIN 70121, ISO/IEC 15118 series ed 1 with EIM, Autocharge, OppCharge, J3105-1 ed 1 and ed 2
Additional Standards:	Cabinet IP rating according to IEC 60529: 1989+AMD2: 2013+COR1: 2019
Expected Lifespan:	10 years[2]

[1] Subject to Service Package coverage
[2] Subject to Service Package coverage, potential refurbishment, and environmental operating conditions including proximity to sea water, conductive dust, and condensing humidity. Under certain conditions and for certain models this can be extended to 15 years.

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