

PRODUCT DATASHEET

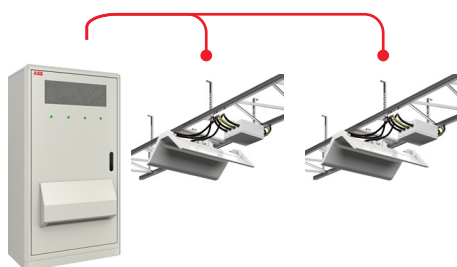
Pantograph-up depot set for HVC360 multi-outlet cabinet

The charging solution for vehicle-mounted pantograph

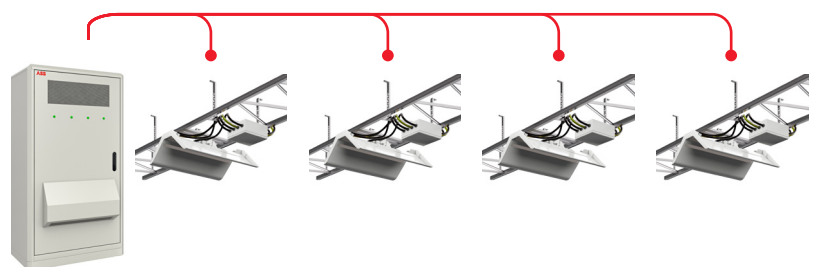


HVC pantograph-up depot set offers an ideal solution for charging electric buses equipped with vehicle-mounted pantograph at depot for overnight or long charging session. Positioned on the infrastructure, the pantograph-up depot set can easily be integrated into existing operations and bus depots, ensuring zero-emission public transport.

- **Easy to use** thanks to optimum remote diagnostics and management interface tools
- **Ensured interoperability:** one charger can serve multiple vehicle types and brands



HVC200-2
HVC300-2
HVC360-2



HVC200-4
HVC300-4
HVC360-4

Technical specifications

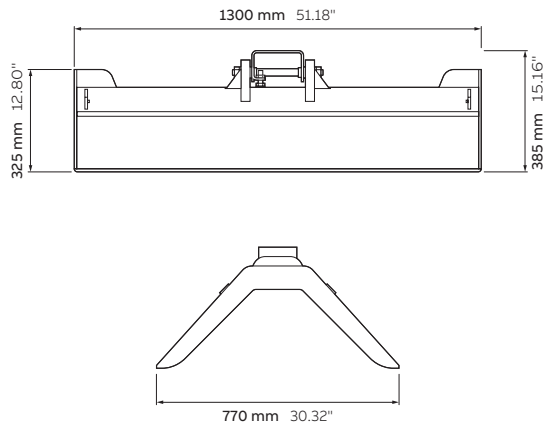
Market	CE
Product information	
Product code	6AGC078082
DC output current peak	350 A
DC output current rating max per dispenser (1)	With HVC200: 142 A With HVC300: 215 A With HVC360: 350 A
DC output power rating	50 - 360kW
DC output power rating max per dispenser (1)	With HVC200: 200 kW With HVC300: 300 kW With HVC360: 360 kW
DC output voltage range	150 - 940 V DC
Standby power	< 8 W
Product characteristics	
Installation	Overhead, on any kind of support (truss, ceiling, ...)
IP and IK rating	IP-65
Enclosure type	Stainless steel
Operational altitude	Up to 2000m
Operation temperature range	-35°C to +55°C
Storage temperature range	-10°C to +70°C
Humidity limitation	5% to 95%, RH - non-condensing
Dimensions (H x W x D)	Control box 450 x 600 x 250 mm Dome 385 x 1300 x 770 mm
Mass	Control box 45 kg Dome 45 kG
Color	RAL 9002
User interface	
Emergency button	Option for external emergency button
Stop button	Option for external stop button
LED indicator	Yes, RGB LED on the dispenser (green: ready to charge / blinking green: preparation phase / blinking blue: charging / blue: charging complete / red: error) & external option
Electrical connection - between power cabinet and control box	
DC power cable	2 or 4 x 185 mm ² (maximum)
24 V DC cable	2 x 6 mm ²
Distance	Up to 150 m (2)
Electrical connection - between control box and pantograph	
DC power cable	2 x 185 mm ² (maximum)
Distance	< 10 m
Communication and protocols (via power cabinet)	
Communication cabinet - outlet	CAN2Ethernet
Connectivity	Internet access via 4G / 3G / Ethernet (RJ45)
Charge protocols	DIN 70121, ISO/IEC 15118 series ed 1 with PnC and EIM
Communication protocols	OCPP 1.6 JSON
Certification and standards	
Standards	'EN 61851-1: 2011, IEC 61851-1: 2010, EN 61851-23: 2014, IEC 61851-23: 2014, EN 61851-1: 2011, EN 61851-23: 2014, IEC 61851-1: 2010, IEC 61851-23: 2014, EN 61000-6-1: 2007, EN 61000-6-2:2005, EN 61000-6-3: 2007+A1, EN 61000-6-4: 2007+A1
Compliance	CE and NA market
Warranty	Base warranty 24 months after Site Acceptance Test or 30 months after factory delivery. Warranty extensions available.
Designed lifespan	ABB chargers are designed for a lifetime of 10 years assuming they receive maintenance according to the maintenance schedule by a trained engineer. Under certain conditions and for certain models this can be extended to 15 years.

(1) DC output current and power ratings per dispenser depend on the power cabinet power (200-360 kW) and number of dispensers (2-4). For more information, please refer to the datasheet "HVC360 Charging solution for heavy duty EV fleet".

(2) Values with long distance kit. The standard distance (without long distance kit) is 100 m / 328 ft.

Dimensions

Pantograph



Control box

