

South Base Test Facility Electric Bus Charger Summary

SBTF Charger Cabinet Specifications

OEM	Charger Type	Charger Model	Rated Output Power	In-Service Date
ABB	Depot Plug-in	HVC150C	150 kW	April 2022
ABB	Mast Pantograph	HVC450PD	450 kW	April 2022
ABB	Gantry Pantograph	HVC450PD	450 kW	April 2022
ABB	Gantry Pantograph	HVC450PD	450 kW	April 2022
ABB	Gantry Pantograph	HVC360	360 kW	Oct 2024
Heliox	Depot Plug-in	HE9821001	180 kW	April 2022
Heliox	Mast Pantograph	HE9818042	450 kW	April 2022
Heliox	Gantry Pantograph	HE9818042	450 kW	April 2022
Heliox	Gantry Pantograph	HE9818042	450 kW	April 2022
Heliox	Gantry Pantograph	Flex 180 B DC HPC D UL	180 kW	Oct 2024
Heliox	Gantry Pantograph	Flex 180 B DC HPC D UL	180 kW	N/A

ABB Depot Plug-in Charger 150 kW (EVS-D-1)



General Specifications	
Charger Type	Depot Charger
Charger Manufacturer	ABB
Charger Model	HVC 150C E-Bus Charger, Model HVC150C
Rated DC Output Power	150 kW
Maximum DC Output Current	250 A
Output DC Voltage Range	150 – 850 V
Maximum Input Power	174 kVA

ABB Mast Pantograph Charger 450 kW (EVS-P-1)



General Specifications	
Charger Type	Mast Pantograph Charger
Charger Manufacturer	ABB
Charger Model	HVC 450 E-Bus Charger, Model HVC450PD
Pantograph Manufacturer	Stemmann
Pantograph Model	Roof-Mounted Pantographs
Rated DC Output Power	450 kW
Max DC Output Current	600 A
Output DC Voltage Range	150 – 850 V
Maximum Input Power	510 kVA

ABB Gantry Pantograph Charger 450 kW (EVS-P-4, EVS-P-7)



General Specifications	
Charger Type	Gantry Pantograph Charger
Charger Manufacturer	ABB
Charger Model	HVC 450 E-Bus Charger, Model HVC450PD
Pantograph Manufacturer	Stemmann
Pantograph Model	Roof-Mounted Pantographs
Rated DC Output Power	450 kW
Max DC Output Current	600 A
Output DC Voltage Range	150 – 850 V
Maximum Input Power	510 kVA

ABB Gantry Pantograph Charger 360 kW (EVS-P-6)



General Specifications	
Charger Type	Gantry Pantograph Charger
Charger Manufacturer	ABB
Charger Model	
Pantograph Manufacturer	
Pantograph Model	Roof-Mounted Pantographs
Rated DC Output Power	360 kW
Max DC Output Current	
Output DC Voltage Range	
Maximum Input Power	

Heliox Depot Plug-in Charger 180 kW (EVS-D-2)



General Specifications	
Charger Type	Depot Charger
Charger Manufacturer	Heliox
Charger Model	FLEX 180 kW HPC, Model HE9821001
Rated DC Output Power	180 kW
Max DC Output Current	250 A
Output DC Voltage Range	200 – 1000 V
Maximum Input Power	205 kVA

Heliox Mast Pantograph Charger 450 kW (EVS-P-2)



General Specifications	
Charger Type	Mast Pantograph Charger
Charger Manufacturer	Heliox
Charger Model	OC 450kW UL IP OppCharge, Model HE9818042
Pantograph Manufacturer	Schunk
Pantograph Model	EM Fast Inverted Pantograph, Model SLS 201.106
Rated DC Output Power	450 kW
Max DC Output Current	900 A
Output DC Voltage Range	460 – 800 V
Maximum Input Power	485 kVA

Heliox Gantry Pantograph Charger 450 kW (EVS-P-5, EVS-P-8)



General Specifications	
Charger Type	Gantry Pantograph Charger
Charger Manufacturer	Heliox
Charger Model	OC 450kW UL IP OppCharge, Model HE9818042
Pantograph Manufacturer	Schunk
Pantograph Model	EM Fast Inverted Pantograph, Model SLS 201.106
Rated DC Output Power	450 kW
Max DC Output Current	900 A
Output DC Voltage Range	460 – 800 V
Maximum Input Power	485 kVA

Heliox Gantry Pantograph Charger 180 kW (EVS-P-3, EVS-P-9)



General Specifications	
Charger Type	Gantry Pantograph Charger
Charger Manufacturer	Heliox
Charger Model	
Pantograph Manufacturer	
Pantograph Model	
Rated DC Output Power	180 kW
Max DC Output Current	
Output DC Voltage Range	
Maximum Input Power	