



Heliox 44 kW V2G

Smart. Efficient. Reliable.



The ISO 15118-20 and SAE J2847 compliant bidirectional charger.

Versatile and user-friendly by design, the Heliox 44 kW was built to meet the diverse needs of all types of EV fleets and grow alongside them. Networked or native, one charger or one hundred - how you charge with the Heliox 44 kW is up to you.

The Heliox 44 kW Vehicle-to-Grid (V2G) charger maximizes your investment by enabling vehicles to return energy to the grid, reducing costs and supporting local grid stability. It optimizes fleet management with time-of-use charging, V2G energy sales, and reliable backup power during outages."

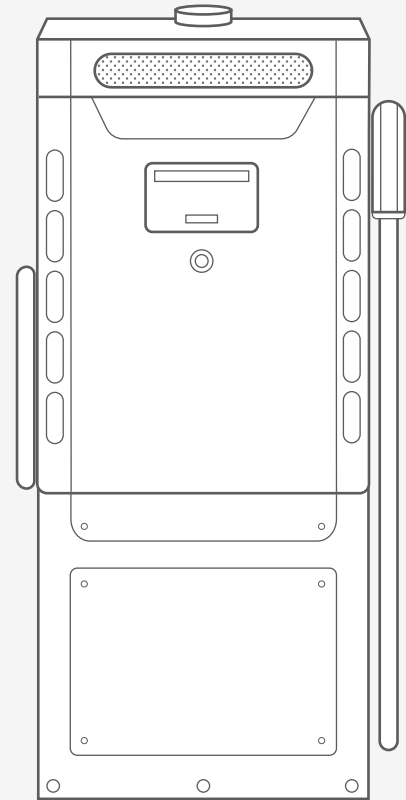
- ✓ **Buy America Act compliance:** Designed, manufactured, and tested in the United States.
- ✓ **Compact all-in-one charger:** Easy to install with 1:1 vehicle to plug ratio.
- ✓ **Multiple standards:** ISO 15118-20 and SAE J2847 compliant.

⚡ **Power Options**
44 kW

⚡ **Number of dispensers in the system**
1

Versatile in charging features

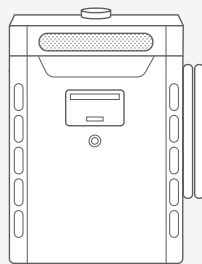
- ✓ The Heliox 44 kW is the perfect EV charging companion, now and in the future.
- ✓ With a NEMA 3R-rated enclosure, the charger can be safely operated indoors and outdoors.
- ✓ Adjust your charger AC input situations where your power supply may be limited.
- ✓ Save energy costs by taking advantage of low electricity rates.
- ✓ Help stabilize the power grid by providing energy peak demand.
- ✓ Integrate your charging infrastructure to your existing battery energy storage system.



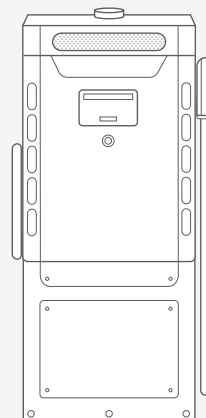
Versatile in mounting

Designed with scalability and convenience in mind, the Heliox 44's form factor allows for low-profile installations, complemented by a range of accessories including both wall-mount and floor-mounted pedestal options.

Wall mounted

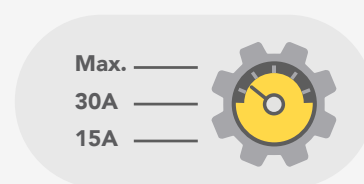


Pedestal



Versatile in charging settings

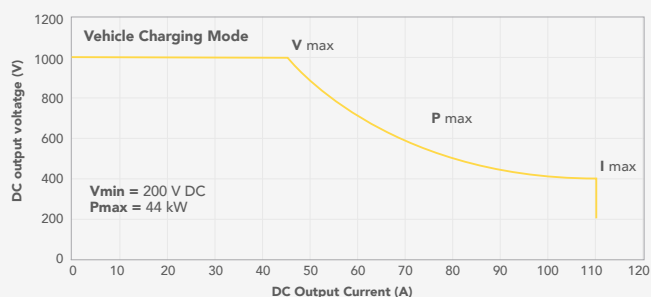
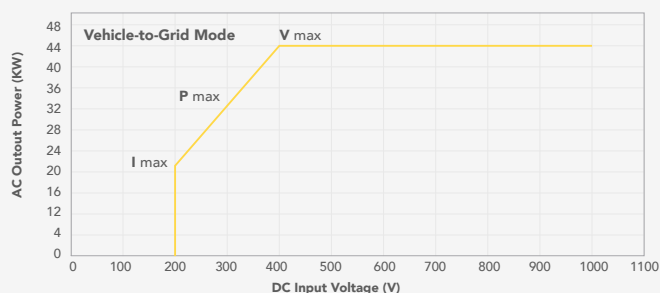
Adjust your charger's AC input with the turn of a dial, enabling you to activate sessions in situations where your power supply might be limited.



General	Heliox 44 kW V2G HE9823009-01-XXX
Charging standard	SAE J1772 (CCS type-1)
Grid compliance	IEEE 1547 ready
Communication standard	DIN70121, ISO15118-2/20 ed1, SAE J2847-2
Compliance and safety	UL 2202, UL 1741SB, UL 9741, CSA C22.2 No. 346:22, CSA 22.2 No. 348:23
Power factor above 50% rated	> 0.98
Peak efficiency	≥ 95%
Dielectric withstand	3,000 V
Network cellular	4G modem or Ethernet
Back office	OCPP 1.6J / 2.01, OCPP 2.1 ready
Temperature range	-13 °F to +113 °F ¹
Operational noise level	≤70 dB(A) @ 3 ft
Protection rating	NEMA 3R
Mounting options	Wall mount, pedestal
Display	7" LCD
Charging status indicator	LED light stack, LCD display
Cable length	5 m standard, 7 m optional
Warranty	24 months

¹ Derating may apply at extremes.

Power curves



AC Input

Connections, frequency	3P + G 480 VAC, 47 - 63 Hz
Current limit values	15A / 30A / Max (user selected)
Full load / idle power	48 kVA / 100 VA
Line-line voltage range	480 VAC +6/-13%, 60 Hz
Nominal AC input current	55A

Output AC-to-DC mode

DC voltage range	200 - 1,000 V
Rated DC power	44 kW
Power limits	11 kW (@ 15A AC input current) 23 kW (@ 30A AC input current) 44 kW (@ Max. input current)
Max. DC current	110A

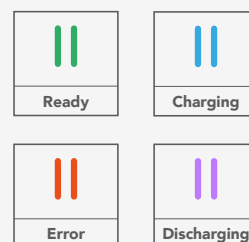
Output DC-to-AC mode

DC vehicle battery input	400 - 1,000 Vdc - 44 kW 200 - 400 Vdc - 22 kW
Max. vehicle DC input current	110A
AC voltage and power output	424 - 508 VAC - 44 kW derating applies to voltages outside range stated
Nominal AC output current	55A ± 10%

Status indicators

Provides real-time information about the state of charge.

Blue charging lights display SOC in 10% increments.



Dimensions & weights

Wall Mounted

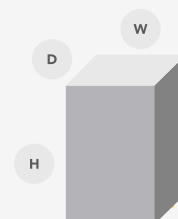
H: 35"
W: 26.4"
D: 17"
Wgt: 223 lbs

Standard Pedestal

H: 54"
W: 29"
D: 20"
Wgt: 388 lbs

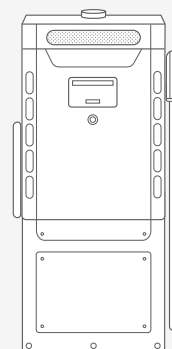
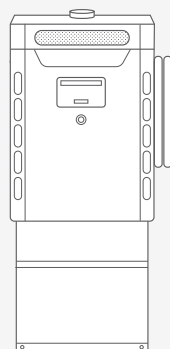
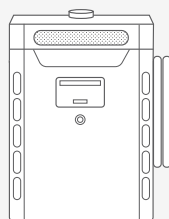
Compact Pedestal

H: 54"
W: 28"
D: 14"
Wgt: 261 lbs



Heliox 44 kW V2G

Ordering Guide



	Heliox 44 kW V2G Wall Mounted	Heliox 44 kW V2G Standard Pedestal	Heliox 44 kW V2G Compact Pedestal
UL Buy America-Compliant 5 m	HE9823009-01-BAA	HE9823009-01-BAA	HE9823009-01-BAA
UL Buy America-Compliant 7 m	HE9823009-01-BDA	HE9823009-01-BDA	HE9823009-01-BDA
Accessory Pedestal Mount	----	HN810222	HN810241

Preventative maintenance is available. For details, please contact your local Siemens or Heliox Business Development Manager/Distributor.