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Heliox 44 kW V2G

Smart. Efficient. Reliable.



Convenient charging; durable and future-proof.

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.

Benefit from energy savings and support your local grid while extending your EV's battery life. Smart charging, energy management, and emergency power backup ensure seamless optimization of your electric fleet usage.

Bidirectional EV charging maximizes your investment. Enjoy energy cost savings and provide local grid support while extending your EV's battery life. Smart charging, energy management, and emergency power backup optimize your electric fleet usage.

- ✓ **Buy America Act compliance:** Designed, manufactured, and tested in the United States.
- ✓ **Plug and play experience:** Simply plug into to a 480 VAC wall socket and start charging.
- ✓ **Reliability on-the-go:** Stack value of your EV assets with bi-directional functionality.

⚡ **Power Options**
44 kW

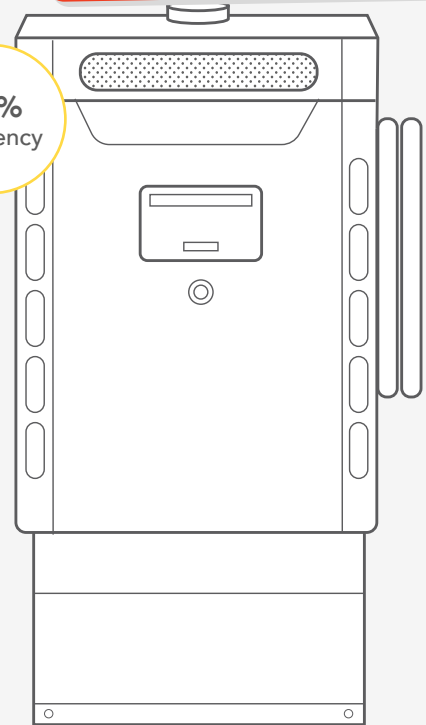
⚡ **Number of dispensers in the system**
1

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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.

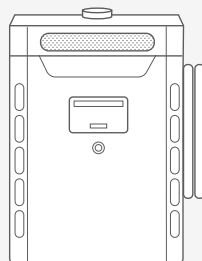
95%
Efficiency



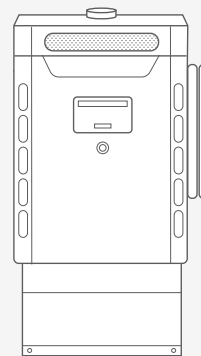
Versatile in mounting

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

Max. —
30A —
15A —



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General

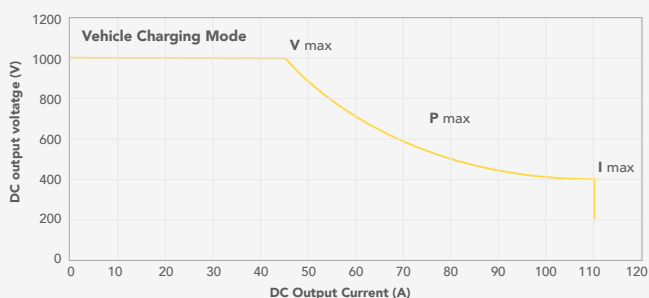
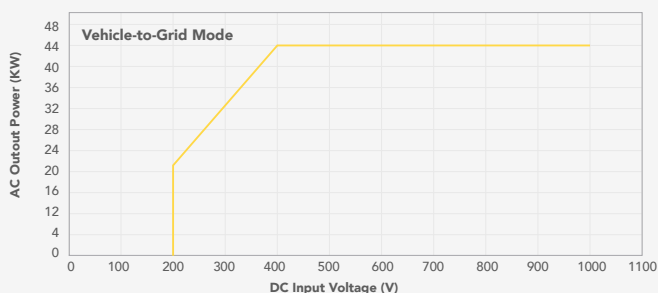
Heliox 44 kW V2G HE9823009-01-XXX

Charging standard	SAE J1772 (CCS type-1)
Communication standard	DIN70121 ISO15118-1/2/3/20 ed1
Compliance and safety	UL 2202 / UL 1741 / UL 9741
Power factor above 50% rated	> 0.98
Efficiency	95%
Dielectric withstand	3,000 V
Network cellular	4G modem or Ethernet
Back office	OCPP 1.6J / OCPP 2.0 ready
Temperature range*	-22 °F to +113 °F ¹
Operational noise level (at 77F)	< 60 dB(A) @ 45"
System weight	230 lbs
Protection rating	NEMA 3R
Mounting options	Wall mount, pedestal
Display	7" LCD
Charging status indicator	LED light stack, LCD display
Cable length	5 m and 7 m ²
Warranty	24 months

¹ Derating may apply at extremes

² Added cost for 7m

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	58A

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

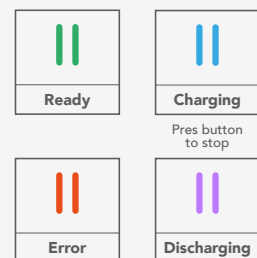
Output DC-to-AC mode

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
Max AC output current	63.4A

Status indicators

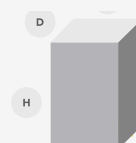
Provides real-time information about the state of charge.

Blue charging lights display approximate SOC.



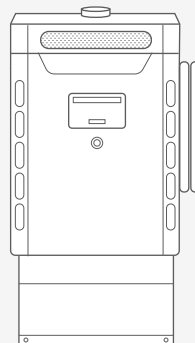
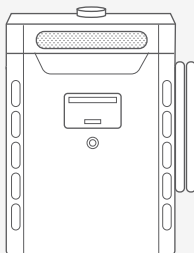
Dimensions

Mounted	Pedestal
H: 35"	H: 54"
W: 26.4"	W: 29"
D: 17"	D: 20"



Heliox 44 kW V2G

Ordering Guide



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

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