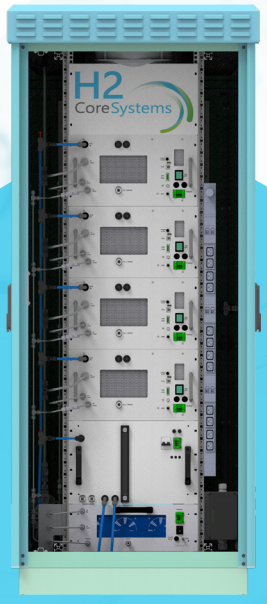
H2 CoreSystems



OUTDOOR HYDROCAB®

UP TO FOUR STACKABLE ENAPTER AEM EL 4 MODULAR ELECTROLYSERS AND ONE DRYER CAN BE INTEGRATED.

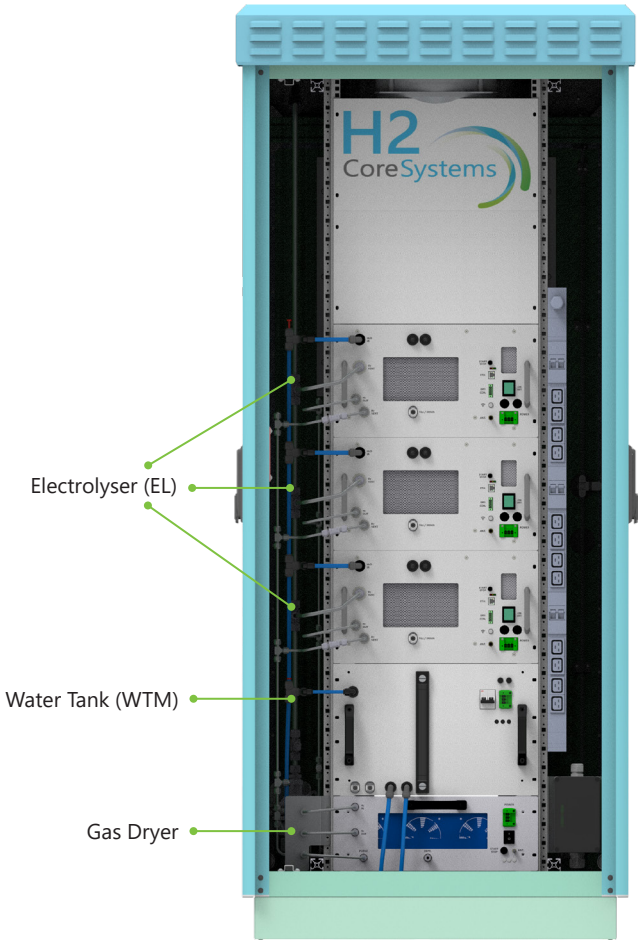
Outdoor HydroCab® with Enapter AEM Electrolyser 4

The premium 19" cabinet system is specifically designed for outdoor use, featuring integrated heating, air conditioning, and ventilation systems to withstand a wide range of climatic conditions. It can house up to four stackable Enapter AEM EL 4 modular electrolysers and one gas dryer, offering an H_2 production rate of up to 5 kg per day (2.5 Nm^3 per hour).
Construction:
UV-resistant powder coating, RAL 7035/7046; double-walled aluminum construction; 100 mm plinth

H_2 production rate	300 Nl/h to 2.500 Nl/h
Operational flexibility	
H2 output pressure	Up to 35 barg (Up to 507.63 psig
H2 output purity	99.9% (< 1,000 ppm H_2O and < 5 ppm O_2) at 25 °C (77 °F)
H2 output puritywith optional dryer	> 99.999%
Specific power consumption (Efficiency)	4.8 kWh/Nm^3, beginning of life
Operative power consumption	4.8 kWh/Nm^3, beginning of life
Voltage	208 – 240 V (AC), 50/60 Hz, both split phase and 3-phase
Frequency	50/60 Hz
Water consumption	of 0.42 to 2 l.h in DI water
H_2O inlet quality	Minimum ASTM D1193-06 Type IV or recommended Type II or Type III[2]
Power output	up to 8Kw @ 48V or 5,76 Kw @ 24V
Rated current	up to 166A @ 48V or 240A @ 24V
H2 consumption	less than 70g per KWh

Contact us: sales@h2coresystems.com www.h2coresystems.com

Cabinet/enclosure type	Outdoor cabinet
Outside dimensions (W x D x H)	(W x D x H) 910 mm x 1210 mm x 2200 mm
Available space inside	42U
IP rating	IP 55 Outdoor Cabinet
Cabinet weight	400 kg up to 600 kg when fully loaded
Cooling	Air cooling and liquid cooling available
Process heat output	up to 3Kw (beginning of life)
Surrounding free space requirements	Front: 1.0 m - for working access and airflow Back: 0.5 m - for airflow Side: 0.5 m suggested for maintenace access
Location of connections and piping	piping and electrical connections are located at the bottom of the back of the cabinet, including: power, water and hydrogen connections. O_2 and H_2 Vent at the top back of the cabinet
Ambient temperature	-20°C ... +35 °C (Ask us for extreme temperature variants)
Ambient humidity	Up to 90% humidity, non-condensing
Altitude	0 - 4000m (*1600m incl. Fuel Cell)
Optional	optinal Gateway computer, Fuel Cell and Water tank integration possible



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