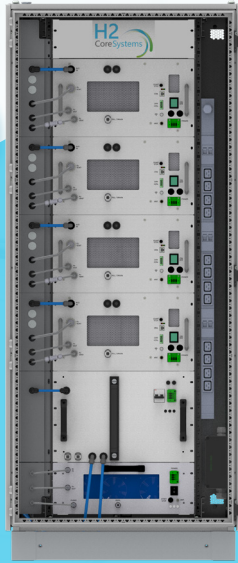




INDOOR HYDROCAB®

THE INDOOR HYDROCAB® IS A PLUG AND PLAY ELECTROLYSER FOR SMALL AND MEDIUM SIZED H2 DEMANDS.



Indoor HydroCab® with Enapter AEM Electrolyser 4

The premium 19" cabinet system is ideally suited for your customized indoor H2 applications, accommodating up to five stackable Enapter AEM electrolyser and a gas dryer. Multiple cabinets can be combined to scale up for larger systems.

H₂ production rate	300 NI/h to 2.500 NI/h
H₂ output pressure	Up to 35 barg (Up to 507.63 psig)
H₂ output purity	99.9% (< 1,000 ppm H ₂ O 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
H₂O 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
Cabinet/enclosure type	Indoor cabinet
Outside dimensions (W x D x H)	Large Version: (W x D x H) 800 mm x 1000 mm x 1900 mm Small Version: (W x D x H) 800 mm x 1000 mm x 1300 mm

Available space inside	38 U
IP rating	IP20 Indoor Cabinet
Cabinet weight	Large Version: 180 kg (empty); up to 520 kg when fully loaded Small Version: 150 kg (empty); up to 520 kg when fully loaded
Cooling	Air cooling and liquid cooling available.
Process heat output	up to 3Kw (beginning of life)
Standby power consumption	differentiate between hot and cold standby for Flex120
Surrounding free space requirements	Front: 1.0 m - for working access and airflow Back: 0.5 m - for airflow Side, top and bottom: no minimum distance required (0.5 m suggested for maintenance access)
Location of connections and piping	All 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 on the top of the cabinet
Ambient temperature	5 °C ... +40 °C
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

