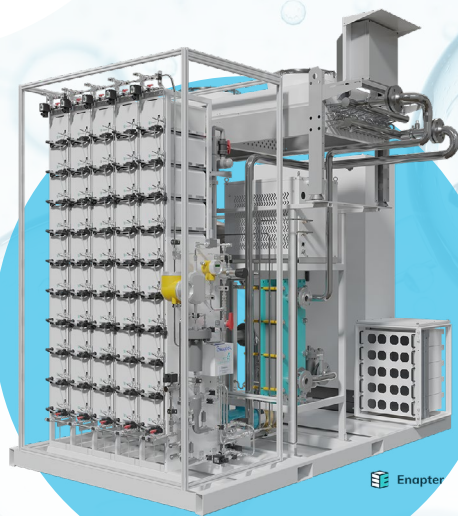




ENAPTER AEM FLEX™ 120

FACILITATES THE INTRODUCTION OF GREEN HYDROGEN IN PILOT PROJECTS, RANGING FROM INDUSTRIAL PROCESS HEAT TO REFUELING



Enapter AEM Flex™ 120

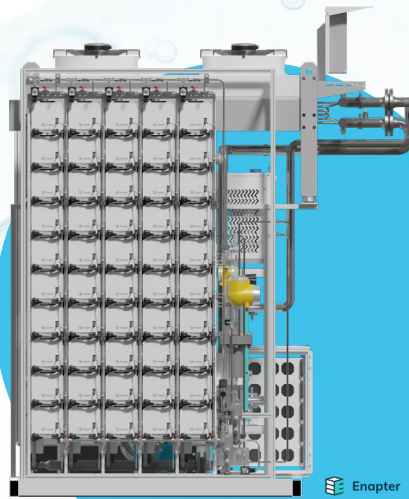
- Extremely high availability and built-in redundancy
- Automated & remote operation with Enapter's EMS
- Quick and easy installation (skid mounted)
- Low maintenance requirements
- Rapid reaction time to intermittent renewables

H₂ production rate	25 Nm ³ /h or 53,9 kg/day	Netvolume flow rate
Operational flexibility	12% to 100% (of nominal H ₂ flow rate)	
H₂ output pressure	Up to 35 barg (Up to 507.63 psig)	
H₂ output purity	99,95 %	(< 500 ppm H ₂ O , < 5 ppm O ₂) in molar fraction
H₂ output puritywith optional dryer	99,999%	(< 5 ppm H ₂ O , < 5 ppm O ₂) in molar fraction
H₂ outlet temperature	5-55 °C	
O₂ nominal flow	12,5 Nm ³ /h	Vented at atmospheric pressure
Specific power consumption (Efficiency)	4,8 kWh/Nm ³	Including all the utilities, BOL
Operative power consumption	120 KW	Beginning of life (BOL)
Voltage	3x 400 VAC	+/-10%
Frequency	50/60 Hz	+/-10 % ; THD< 5%
Water consumption	23L/h (6,08 gal/h)	Purified Water
H₂O inlet quality	Minimum ASTM D1193-06 Type IV or recommended Type II or Type III	
H₂O inlet temperature	5-55 °C	
Cabinet/enclosure type	Fits inside 20 ft high cube container	
Outside dimensions (W x D x H)	(L x W X H) 3200 mm x 2220 mm x 2780 mm	



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Cabinet weight	3700 kg	
Cooling	Liquid Cooled Stacks Only	
Process heat output	up to 35 kW (at BOL)	
Standby power consumption	Approx 20 kW	
Hot startup time	0-100% in 100 seconds	(assuming Electrolyte at min 35°C)
Cold startup time	0-100% in 20 minutes	(assuming 15 °C ambient temperature)
Shut down time	In few minutes	
Location of connections and piping	Connection for the H ₂ Out, H ₂ Vent, Chiller In and Out Mounted on the gas panel. Vent lines for O ₂ goes to the roof	
Ambient temperature	5-35°C	
Ambient humidity	Up to 90% humidity, non-condensing	
Optional	Optional Integration of Water purification system, Dryer, Containerisation, Storage connection is possible	

