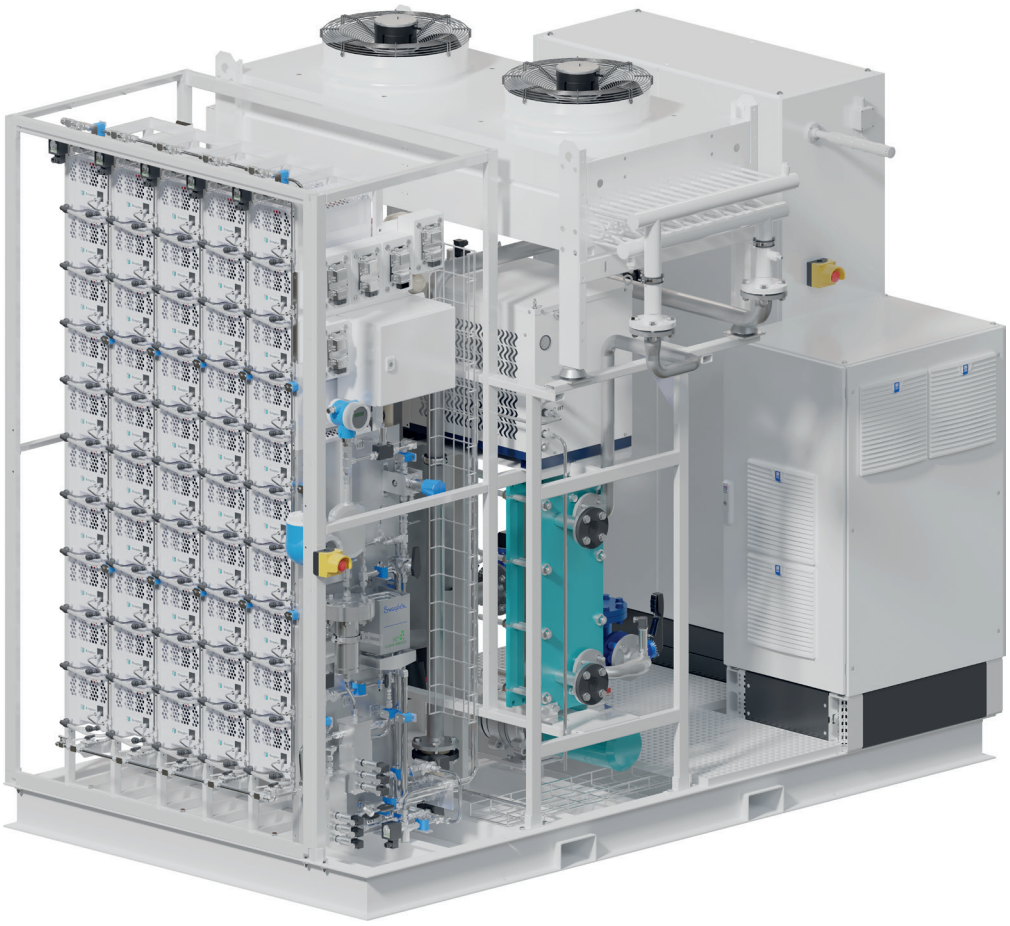
Enapter

AEM FLEX 120



Key features

- Top system efficiency: 51.7 kWh/kg
- Fully automatic operation, AI optimized
- Modular architecture for max. redundancy
- Rapid reaction times to variable renewables
- Low maintenance requirements

AEM Flex 120
www.enapter.com/aem-flex-120

Specifications

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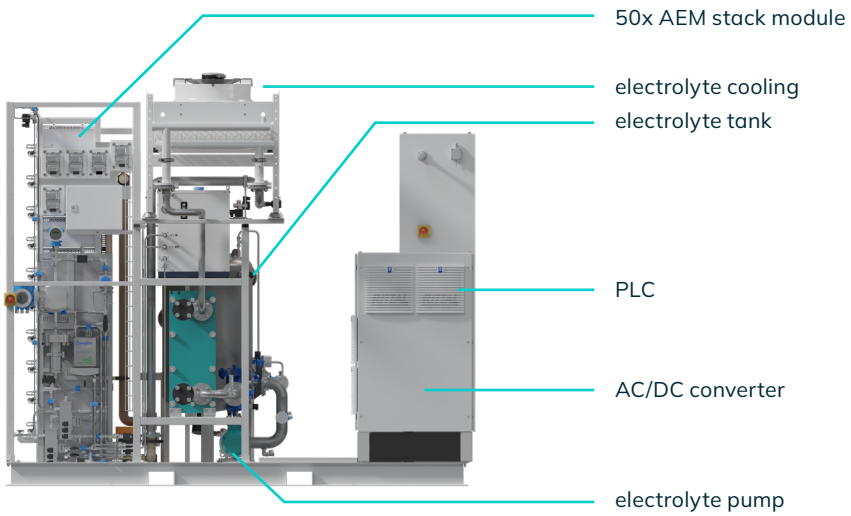

H_2 nominal flow	25 Nm^3/h 53.9 kg/24h	Netvolume flow rate
H_2 outlet pressure	Up to 35 barg	(507.63 psig)
H_2 purity	>98% in molar fraction	Impurities: H_2O <20000 ppm, O_2 < 5 ppm
H_2 purity with optional dryer	99.999% in molar fraction	Impurities: H_2O < 5 ppm, O_2 < 5 ppm
O_2 nominal flow	12.5 Nm^3/h	Vented at atmospheric pressure
Specific power consumption (Efficiency)	4.7 kWh/Nm^3H_2 51.7 kWh/kgH_2	Including all utilities inside the battery limits of the AEM Flex (excluding optional H2 dryer). Beginning of life (BOL) at 15 °C ambient temperature, nominal conditions, full load.
Nominal power consumption	116 kW	Including all utilities inside the battery limits of the AEM Flex (excluding optional H2 dryer). Beginning of life (BOL) at 15 °C ambient temperature, nominal conditions, full load.
Voltage	3 × 400 VAC	±10 %
Frequency	50	± 10 %; THD < 5 % (60 Hz available)
H_2O nominal consumption	23 L/h	(6.08 gal/h) purified water
H_2O inlet purity (recommended)	Type II water Acidity < 0.1 meq	According to ASTM D1193-06 According to ASTM D1067
Operational flexibility	12% – 100 %	Of nominal H_2 flowrate
Hot startup time	0 – 100% in 135 seconds	Electrolyte is at min. 38 °C (95 °F)
Cold startup time	0 – 100% in ≈ 25 minutes	Assuming 15 °C (59 °F) ambient temperature
Type of installation	Indoor	Containerization option available 5 – 35 °C (41 – 95 °F)
Dimensions	3.2 × 2.22 × 2.78 m	L x W x H (126" × 87.4" × 109.4")
Weight	≈ 3,700 kg (8157 lbs)	

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