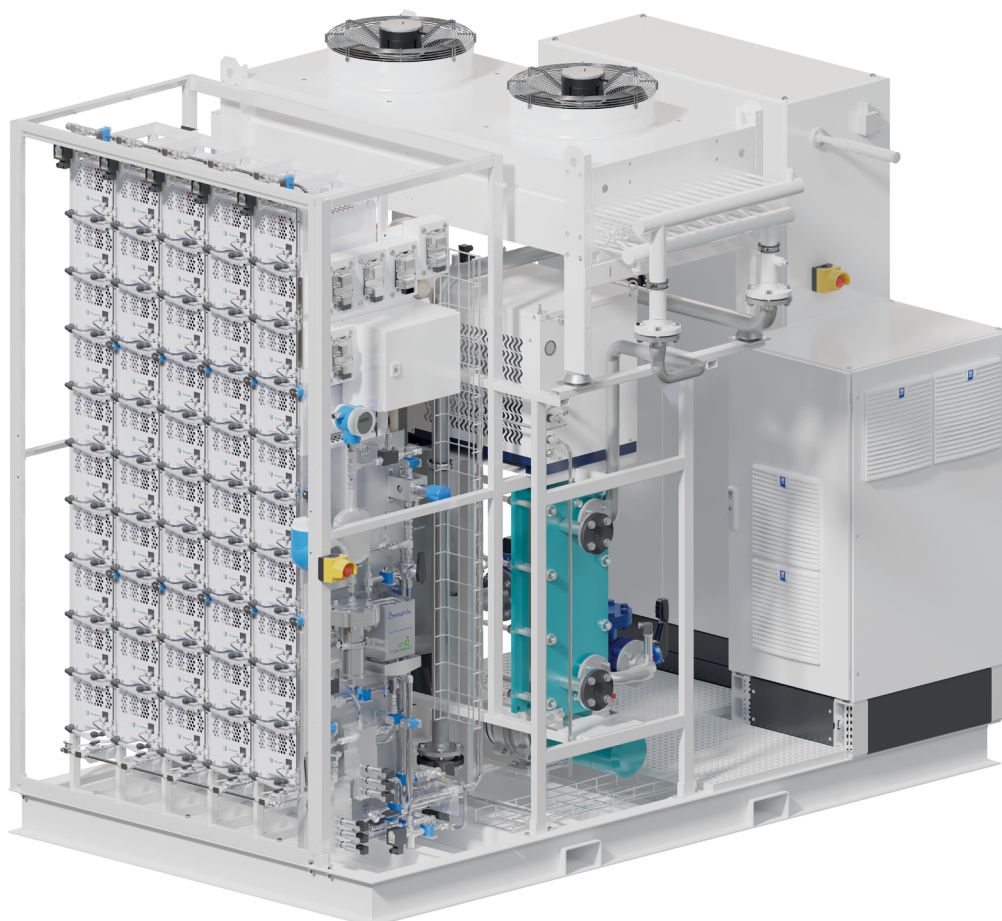


# AEM FLEX 120



## Key features

- Top system efficiency: 53.3 kWh/kg
- Fully automatic operation, AI optimized
- Modular architecture for max. redundancy
- Rapid reaction times to variable renewables
- Low maintenance requirements

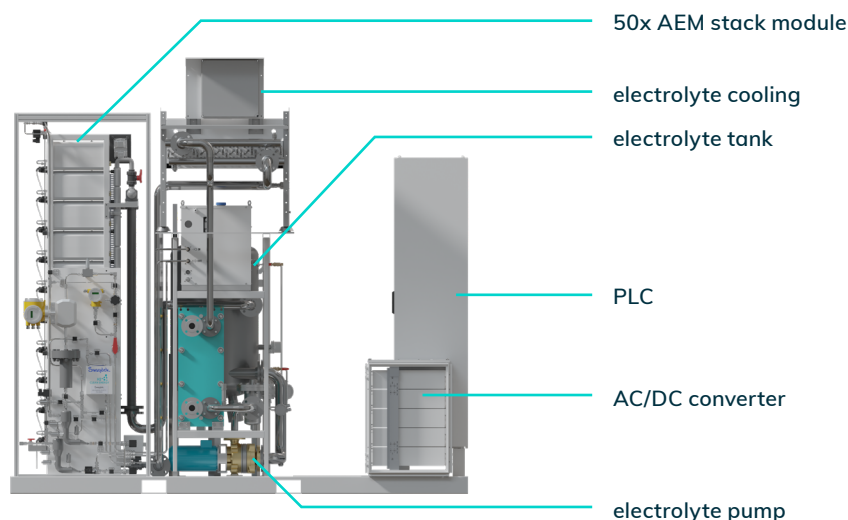


AEM Flex 120

[www.enapter.com/aem-flex-120](http://www.enapter.com/aem-flex-120)

# Specifications

Enapter  
AEM Flex 120



H <sub>2</sub> nominal flow	25 Nm <sup>3</sup> /h 53.9 kg/24h	Netvolume flow rate
H <sub>2</sub> outlet pressure	Up to 35 barg	(507.63 psig)
H <sub>2</sub> purity	>98% in molar fraction	Impurities: H <sub>2</sub> O <20000 ppm, O <sub>2</sub> < 5 ppm
H <sub>2</sub> purity with optional dryer	99.999% in molar fraction	Impurities: H <sub>2</sub> O < 5 ppm, O <sub>2</sub> < 5 ppm
O <sub>2</sub> nominal flow	12.5 Nm <sup>3</sup> /h	Vented at atmospheric pressure
Specific power consumption (Efficiency)	4.8 kWh/Nm <sup>3</sup> H <sub>2</sub> 53.3 kWh/kgH <sub>2</sub>	Including all utilities inside the battery limits of the AEM Flex (excluding optional H <sub>2</sub> dryer). Beginning of life (BOL), nominal conditions and full load.
Nominal power consumption	120 kW	Including all utilities inside the battery limits of the AEM Flex (excluding optional H <sub>2</sub> dryer). Beginning of life (BOL), nominal conditions and full load.
Voltage	3 × 400 VAC	±10 %
Frequency	50	± 10 %; THD < 5 % (60 Hz available)
H <sub>2</sub> O nominal consumption	23 L/h	(6.08 gal/h) purified water
H <sub>2</sub> O 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 <sub>2</sub> 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)	