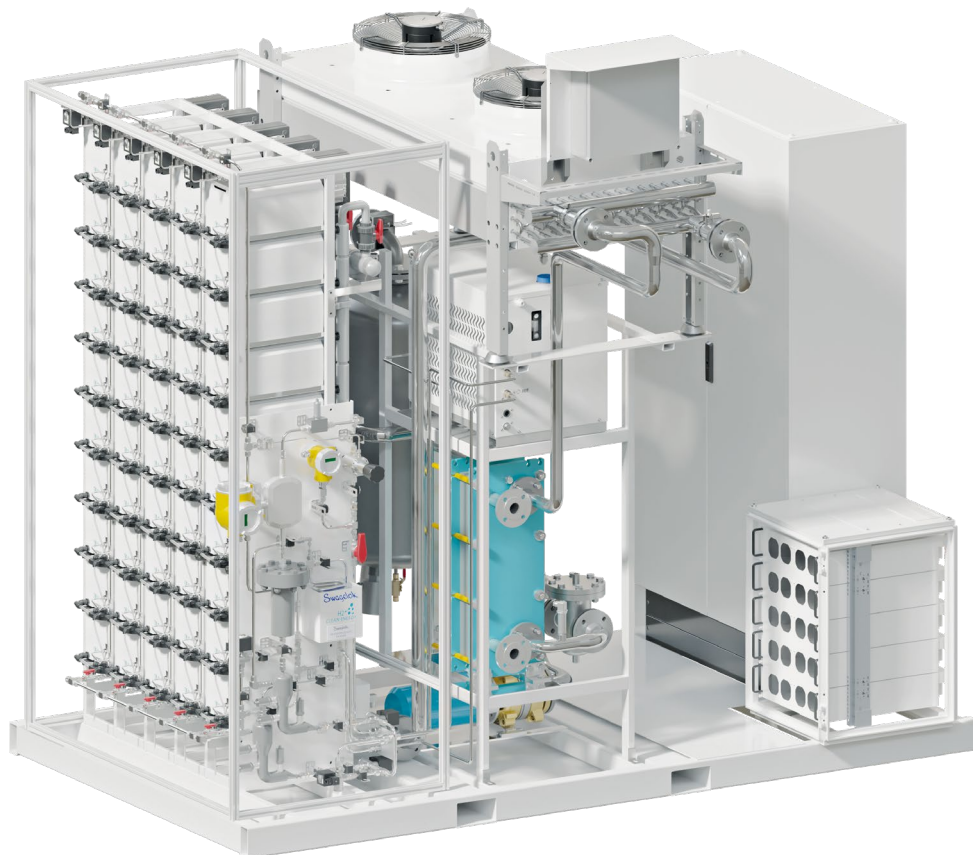


AEM Flex 120



Key features

- ≡ 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

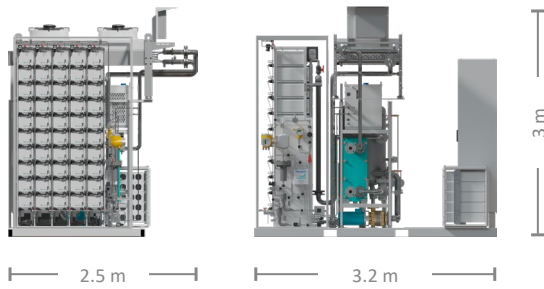


AEM Flex 120

www.enapter.com/aem-flex-120

Specifications

Enapter
AEM Flex 120



H₂ nominal flow	25 Nm ³ /h 53.9 kg/24h	Netvolume flow rate
H₂ outlet pressure	Up to 35 barg	
H₂ purity	99.95% in molar fraction, equals dew point of -30 °C	Impurities: H ₂ O < 500 ppm, O ₂ < 5 ppm
H₂ purity with optional dryer	99.999% in molar fraction, equals dew point of -65 °C	Impurities: H ₂ O < 5 ppm, O ₂ < 5 ppm
H₂ outlet temperature	5 – 55 °C	
O₂ nominal flow	12.5 Nm ³ /h	Vented at atmospheric pressure
Nominal power consumption	120 kW	Beginning of life (BOL)
	150 kW	Near end of life (EOL)
Voltage	3 × 400 VAC	±10 %
Frequency	50/60 Hz	±10 %; THD < 5%
H₂O nominal consumption	23 L/h	Purified water
H₂O inlet quality	Minimum ASTM D1193-06 Type IV or recommended Type II or Type III ¹	
H₂O inlet temperature	5 – 55 °C	1 – 4 barg
Operational flexibility	12% – 100 %	Of nominal H ₂ flowrate
Turndown ratio	8:1	Maximum flow/Minimum flow
Specific power consumption (Efficiency)	4.8 kWh/Nm ³ H ₂ 53.3 kWh/kgH ₂ 62.5% (LHV)	Including all utilities inside the battery limits of the AEM Multicore (at BOL)
Hot startup time	0 – 100% in 100 seconds	Electrolyte is at min. 35 °C
Cold startup time	0 – 100% in 30 minutes	Assuming 5 °C ambient temperature
Shut down time	100 – 0% in 3 minutes	Normal, gradual shut down
Hot standby power consumption	20 kW Max.	Stacks are hydrated and electrolyte circulates at min. temperature (35 °C)
Type of installation	Indoor	5 – 35 °C
Process heat output	35 kW	BOL; ~ 50 °C
Dimensions	3.2 × 2.5 × 3 m	(L × W × H)
Transport dimensions	Fits inside 20 ft high cube container	
Weight	~ 3,700 kg	

¹ Please, check the Battery limits and the Owner's Manual for the complete requirements list