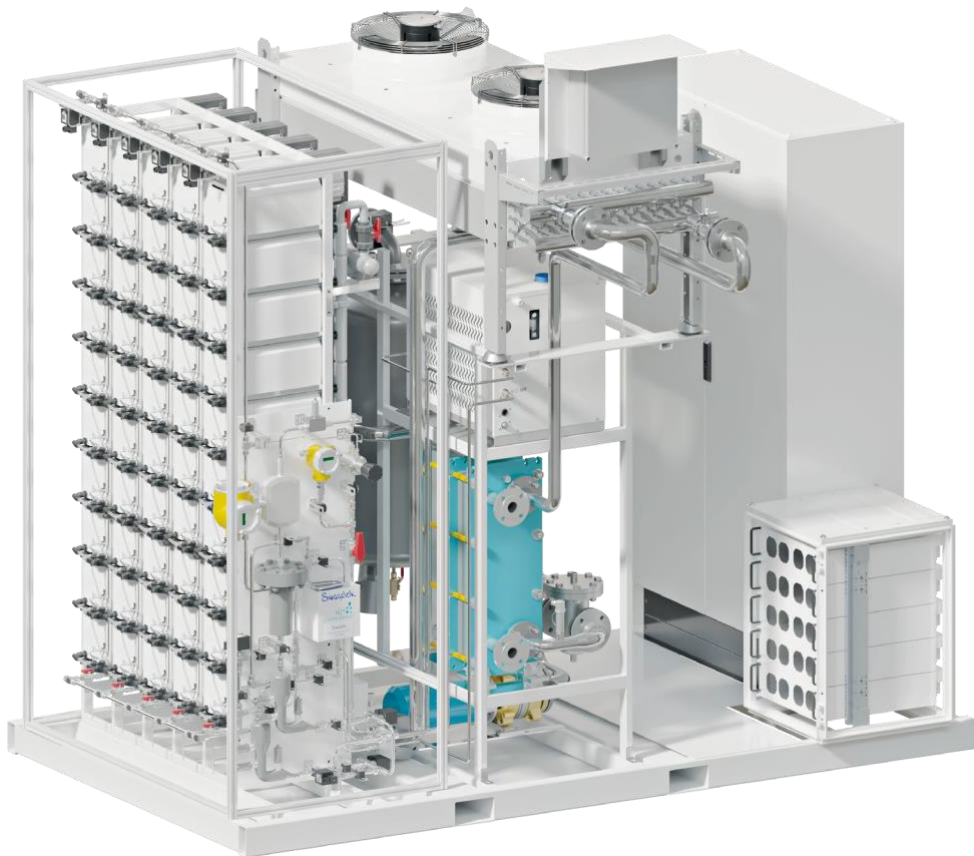


AEM Flex 120



Key features

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

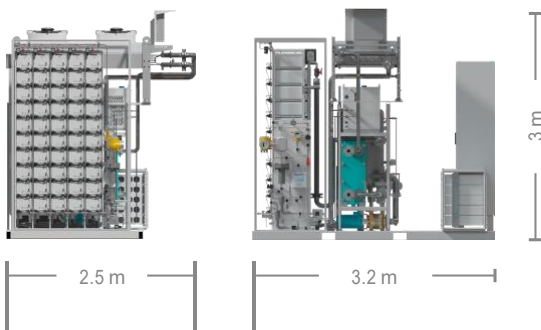


AEM Flex 120

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 (508 PSI):	
H₂ purity	99.95% in molar fraction, equals dew point of -22 °F (-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 -85 °F (-65 °C)	Impurities: H ₂ O < 5 ppm, O ₂ < 5 ppm
H₂ outlet temperature	40 – 130 °F (5 – 55 °C)	
O₂ nominal flow	12.5 Nm ³ /h	Vented at atmospheric pressure
Nominal power	120 kW	Beginning of life (BOL)
consumption	150 kW	Near end of life (EOL)
Voltage	3 × 480 VAC	±10 %
Frequency	50/60 Hz	±10 %; THD < 5%
H₂O nominal consumption	6.1 Gal/h (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	40 – 130 °F (5 – 55 °C)	1 – 4 barg (14.5 – 58 PSI)
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. 95°F (35 °C)
Cold startup time	0 – 100% in 30 minutes	Assuming 41°F (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 (95°F (35 °C))
Type of installation	Indoor	41 – 95°F (5 – 35 °C)
Process heat output	35 kW	BOL; ~ 122°F (50 °C)
Dimensions	10.5 ft (3.2m) × 8.2 ft (2.5m) × 9.8 ft (3m)	(L × W × H)
Transport dimensions	Fits inside 20 ft high cube container	
Weight	~ 8,150 lbs (3,700 kg)	

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