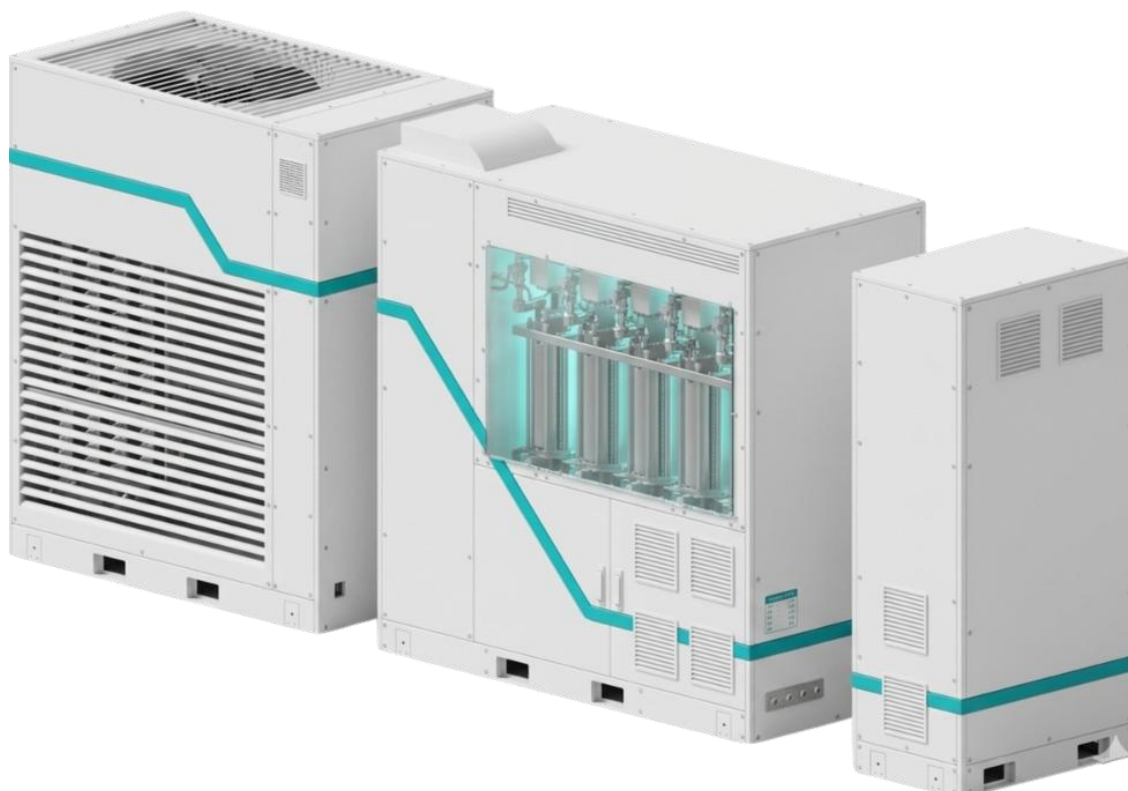


# AEM FLEX 120



## Key features

- ≡ Top system efficiency: <math>< 52 \text{ kWh/kg}</math>
- ≡ Fully automatic operation, AI optimized
- ≡ **Modular** architecture for max. redundancy
- ≡ Rapid reaction times to variable renewables
- ≡ Low maintenance requirements

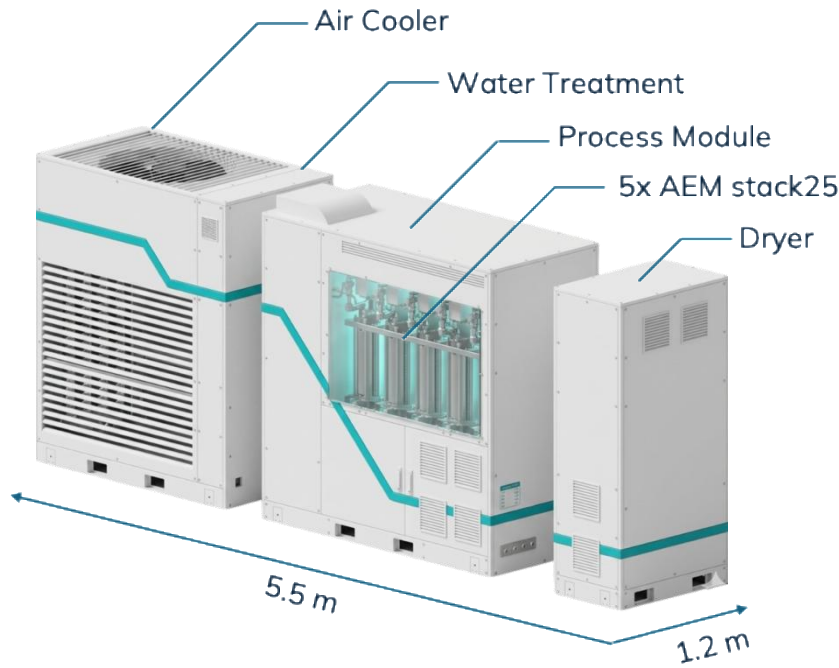


AEM Flex 120

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

# Specifications

Enapter  
**AEM Flex 120**



<b>H<sub>2</sub> nominal flow</b>	24.1 Nm <sup>3</sup> /h (2.16 kg/h)	Net volume flow rate
<b>H<sub>2</sub> outlet pressure</b>	Up to 31 barg	
<b>H<sub>2</sub> purity</b>	99.5% in molar fraction	Impurities: H <sub>2</sub> O < 5000 ppm, O <sub>2</sub> < 5 ppm
<b>H<sub>2</sub> purity with optional chiller</b>	99.95% in molar fraction	Impurities: H <sub>2</sub> O < 500 ppm, O <sub>2</sub> < 5 ppm
<b>H<sub>2</sub> purity with optional dryer</b>	99.999% in molar fraction	Impurities: H <sub>2</sub> O < 5 ppm, O <sub>2</sub> < 5 ppm Open loop technology
<b>Specific power consumption (Efficiency)</b>	4.61 kWh/Nm <sup>3</sup> H <sub>2</sub> 51.3 kWh/kg H <sub>2</sub>	Including all utilities inside the battery limits @standard conditions*, 99.5% configuration.
<b>Nominal power consumption</b>	112 kW	Including all utilities inside the battery limits @standard conditions*, 99.5% configuration. 99.95% configuration + ~0.6 kW 99.999% configuration + ~3 kW
<b>Voltage</b>	400Vac 3ph+N+PE	± 10 %
<b>Frequency</b>	50 Hz	± 10 %
<b>H<sub>2</sub>O nominal consumption</b>	19.4 L/h	Purified water
<b>H<sub>2</sub>O inlet purity (recommended)</b>	Type II water Acidity < 0.1 meq/l	According to ASTM D1193-06 According to ASTM D1067
<b>Operational flexibility</b>	12% – 100 %	Of nominal H <sub>2</sub> flow rate
<b>Hot startup time</b>	0 – 100% in 225 seconds	Electrolyte valve open, solution circulating at ≥45°C
<b>Cooling type</b>	Liquid cooled	Optional air cooler available on request
<b>Dimensions</b>	Suitable to be installed into a 6 x 2.5 m footprint including its dryer and its water treatment	(L x W x H) Without table cooler

\*at full load, normal operation, BoL, 55°C electrolyte temperature and 15°C ambient temperature