



AEM Electrolysers

Start your green hydrogen production now.



Smart. Simple. Scalable.
www.enapter.com

Applications and use cases

Thousands of our AEM Electrolysers are deployed across the globe to unlock hydrogen solutions including refuelling, energy storage, blending and industrial energy supply – with production ranging from 2.4 kW to multi-MW.



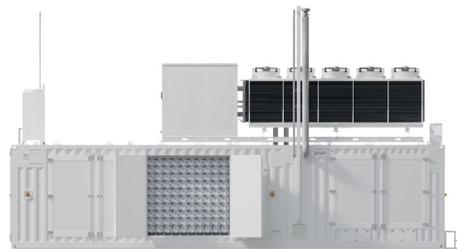
AEM EL 4 (single-core electrolyser)
cabinets and containerised systems

2.4 to ≈ 120 kW



AEM Flex 120
(multi-core electrolyser)

≈ 70 to ≈ 480 kW



AEM Nexus
(multi-core electrolyser)

**≈ 500 kW and ≈ 1 MW
combined systems: multi-MW**



Smart. Simple. Scalable.

Anion Exchange Membrane (AEM) Electrolysers turn renewable electricity and water into green hydrogen combining alkaline's low-costs with PEM tech's flexibility.

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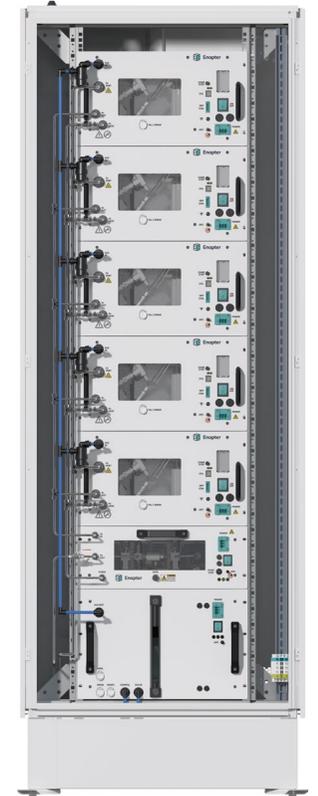
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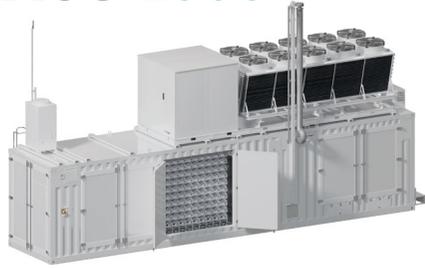
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AEM NEXUS 1000



Specifications

- Production rate: 210 Nm³/h | 453 kg/24 h
- Nominal power consumption: ≈ 1 MW (BOL)
- Also available as 500 kW system
- Hydrogen purity: 99.999 % (with optional dryer)
- Outlet pressure: up to 35 barg
- Largely pre-assembled for fast commissioning
- Rapid reaction time to intermittent renewables

AEM FLEX 120



Specifications

- Production rate: 25 Nm³/h | 53.9 kg/24h
- Nominal power consumption: 120 kW (BOL)
- Hydrogen purity: 99.999 % (with optional dryer)
- Outlet pressure: up to 35 barg
- 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

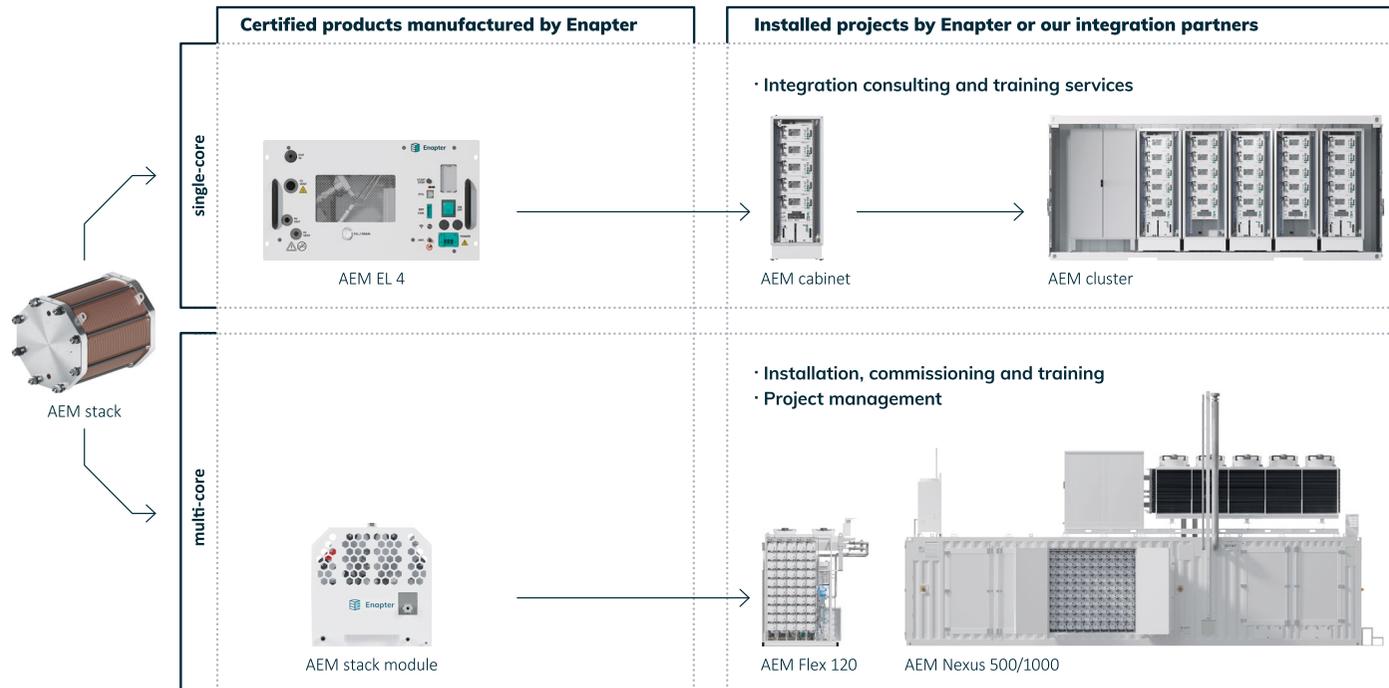
AEM EL 4

Specifications

- Production rate: ≈ 1 kg/24 h
- Operative power consumption: 2.4 kW (BOL)
- Hydrogen purity: 99.999 % (with optional dryer)
- Outlet pressure: up to 35 barg
- Available as air-cooled and liquid-cooled systems
- AC and DC variants
- Automated & remote operation with Enapter's EMS
- Quick and easy installation (OPC UA ready)
- Stackable up to required needs
- Rapid reaction time to intermittent renewables



Enapter's AEM product platform



EMS TOOLKIT

Create an open-source energy management system with full support of **OPC UA**

- Take your energy system control to a new level of intelligence.
- Balance your energy loads and storage from different sources – as well as hydrogen production – based on energy prices, availability or CO₂ footprint.
- Any energy device can be integrated into the Enapter Cloud platform using the Enapter Blueprints open-source technology.
- A growing collection of Blueprints for integrating many devices can be found at marketplace.enapter.com.

