



Pioneering AEM tech: Replace fossil fuels with low-cost green hydrogen



Smart. Simple. Scalable.
www.enapter.com

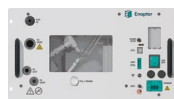
Applications and use cases

Our AEM Electrolysers are used around the world:

- ≡ 3,700+ electrolysers
- ≡ 340+ customers
- ≡ 50+ countries

They unlock a wide range of applications:

- ≡ logistics and mobility
- ≡ industrial energy supply
- ≡ electricity storage
- ≡ refuelling
- ≡ off-grid energy solutions



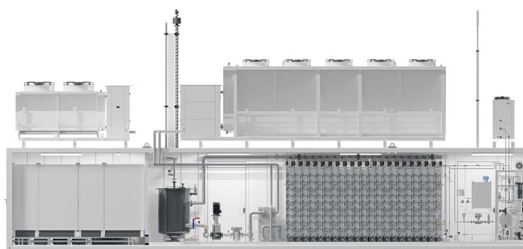
AEM EL 4 (single-core electrolyser)
cabinets and containerised systems

2.4 to \approx 120 kW



AEM Flex 120
(multi-core electrolyser)

\approx 70 to \approx 480 kW



AEM Nexus
(multi-core electrolyser)

**\approx 500 kW and \approx 1 MW
combined systems: up to multi-MW**



Germany

Reinhardtstr. 35
10117 Berlin

Energiewende 1
48369 Saerbeck

Italy

Via Lavoria 56/G
56040 Crespina Lor. (PI)

Thailand

Phi Suea House · 33/4 Moo 4
50300 · Chiang Mai

Smart. Simple. Scalable.

Deploy your system and produce green hydrogen anywhere for any application with Enapter's plug-and-play modules.

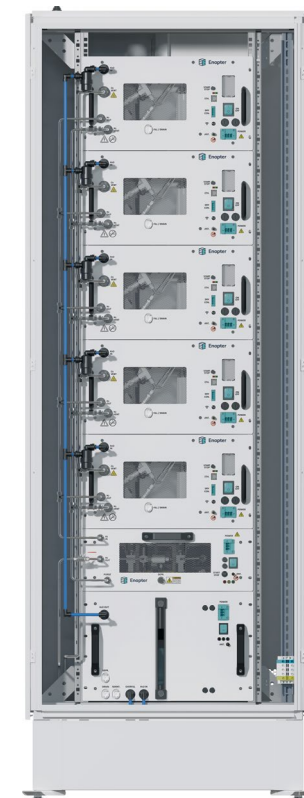
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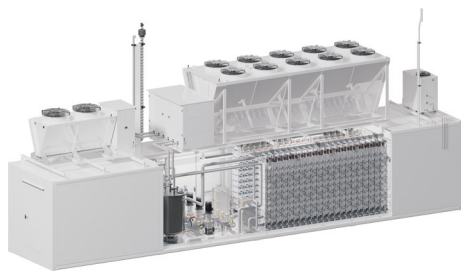
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AEM Nexus



Specifications

- ≡ Production rate: ≈ 450 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: ≈ 50 kg/24 h
- ≡ 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

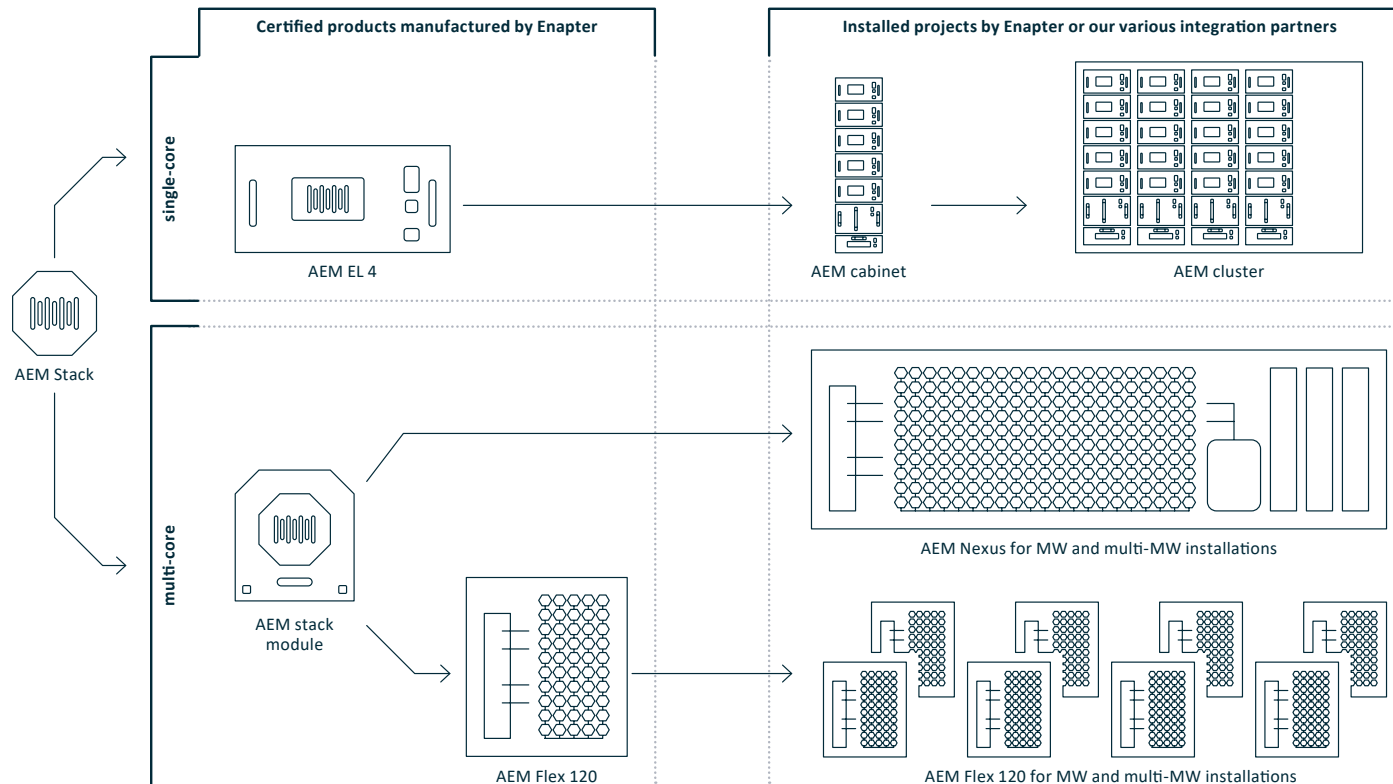
AEM EL 4



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

Open-source Energy Management System with full support of **OPC UA**

- ≡ Take your energy system control to an absolutely 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.

