

Applications and use cases

Thousands of Enapter's AEM Electrolyzers are deployed worldwide to unlock hydrogen solutions, including refueling, energy storage, blending, and industrial energy supply. Their production ranges from 2.4 kW to multi-MW.



AEM EL 4 (single-core electrolyzer)
cabinets and containerized systems



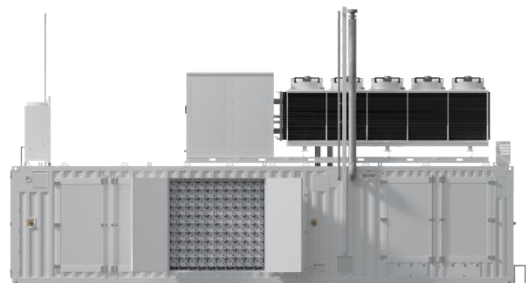
2.4 to \approx 60 kW



AEM Flex 120
(multi-core electrolyzer)



\approx 60 to \approx 480 kW



AEM Nexus
(multi-core electrolyzer)



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



CLEAN H₂

At Clean H₂, we champion the hydrogen revolution with Enapter's cutting-edge Anion Exchange Membrane (AEM) technology. Our electrolyzers signify a leap forward in efficiency, offering substantial savings in both capital and operational expenditures. By favoring materials like steel over titanium and irridium, we bring you cost-effective solutions without compromising quality. We are proud to partner with Total Hydrogen Solutions for integration and service of these electrolyzers.



www.TotalHydrogen.com



OFFICIAL DISTRIBUTOR

Clean H₂ Inc.
8085 South Chester Street,
Suite 250
Centennial CO 80112
USA

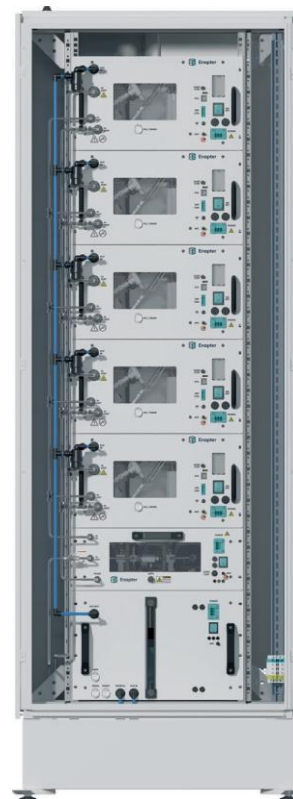
info@cleanH2.energy

858.204.0979

Get your quote!



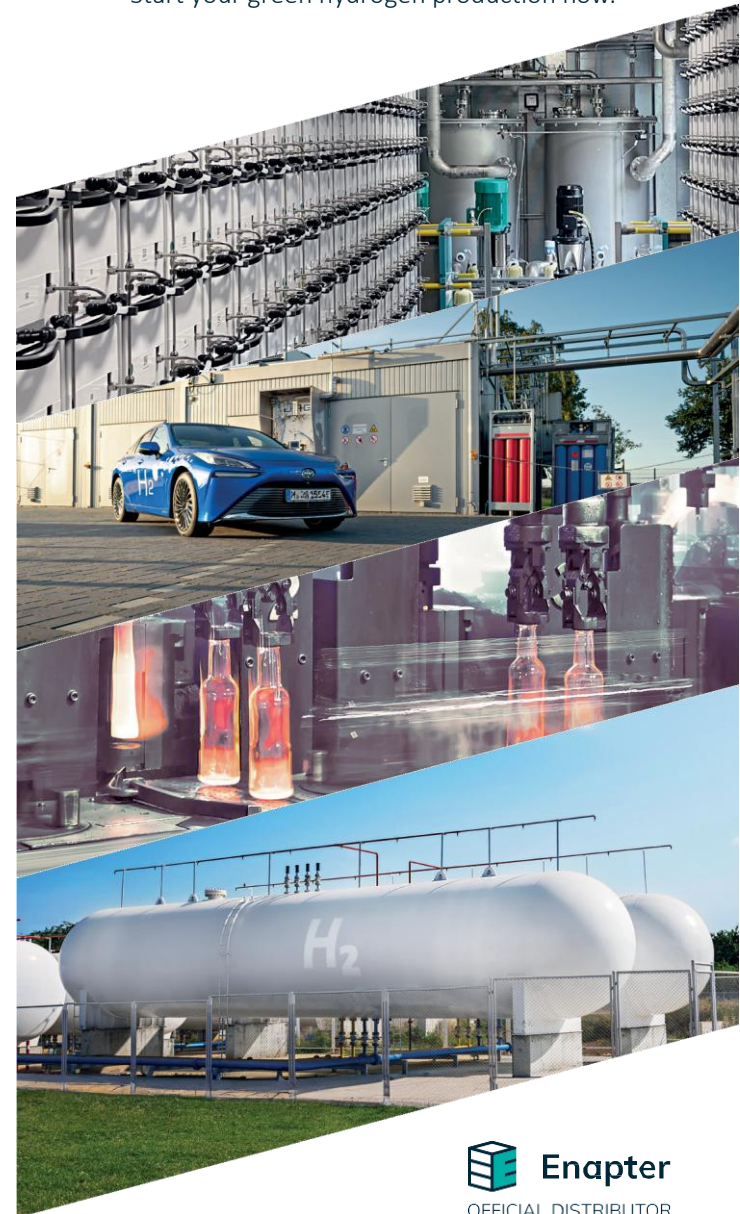
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CLEAN H₂

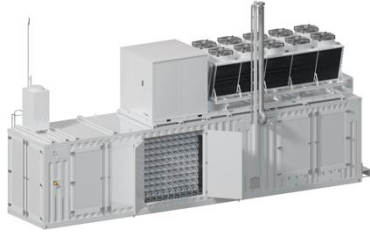
Exclusive Distributor of Enapter Electrolyzers in the USA

Start your green hydrogen production now.



 **Enapter**
OFFICIAL DISTRIBUTOR

AEM Nexus



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
- ≡ Rapid reaction time to intermittent renewables
- ≡ Automated & remote operation with Enapter's EMS

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

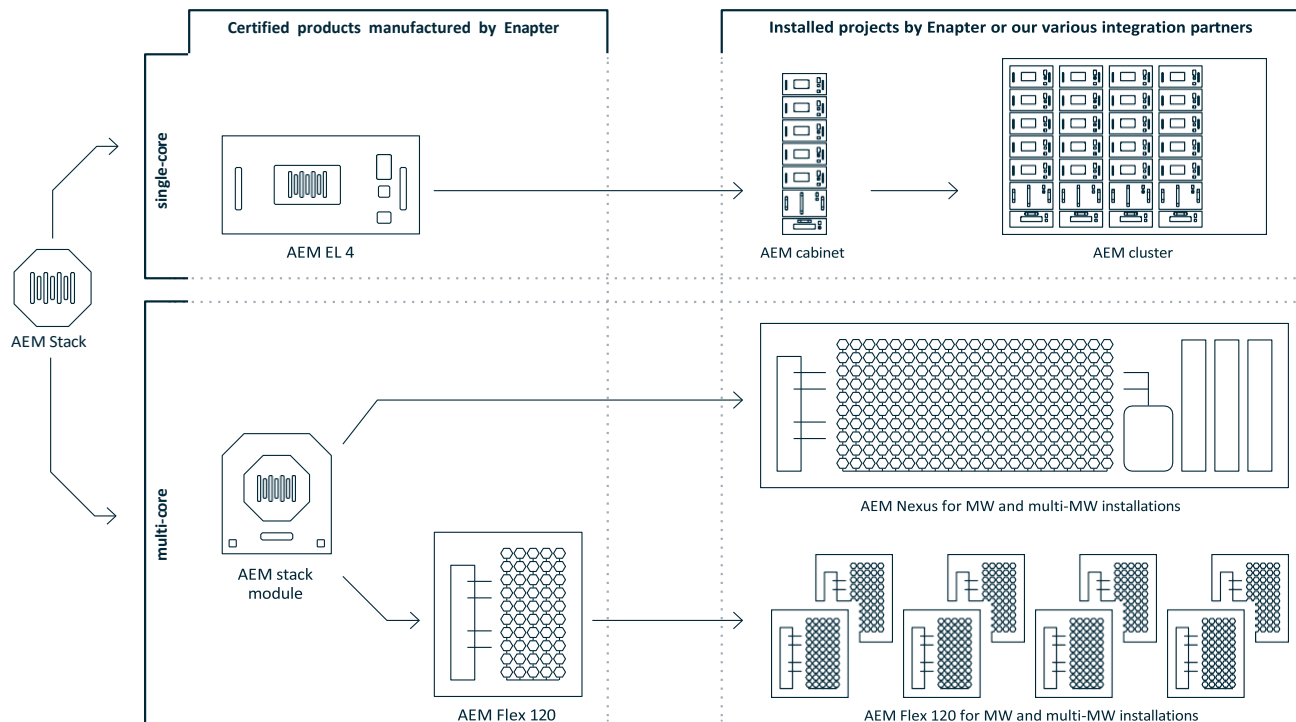
AEM EL 4



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 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.

