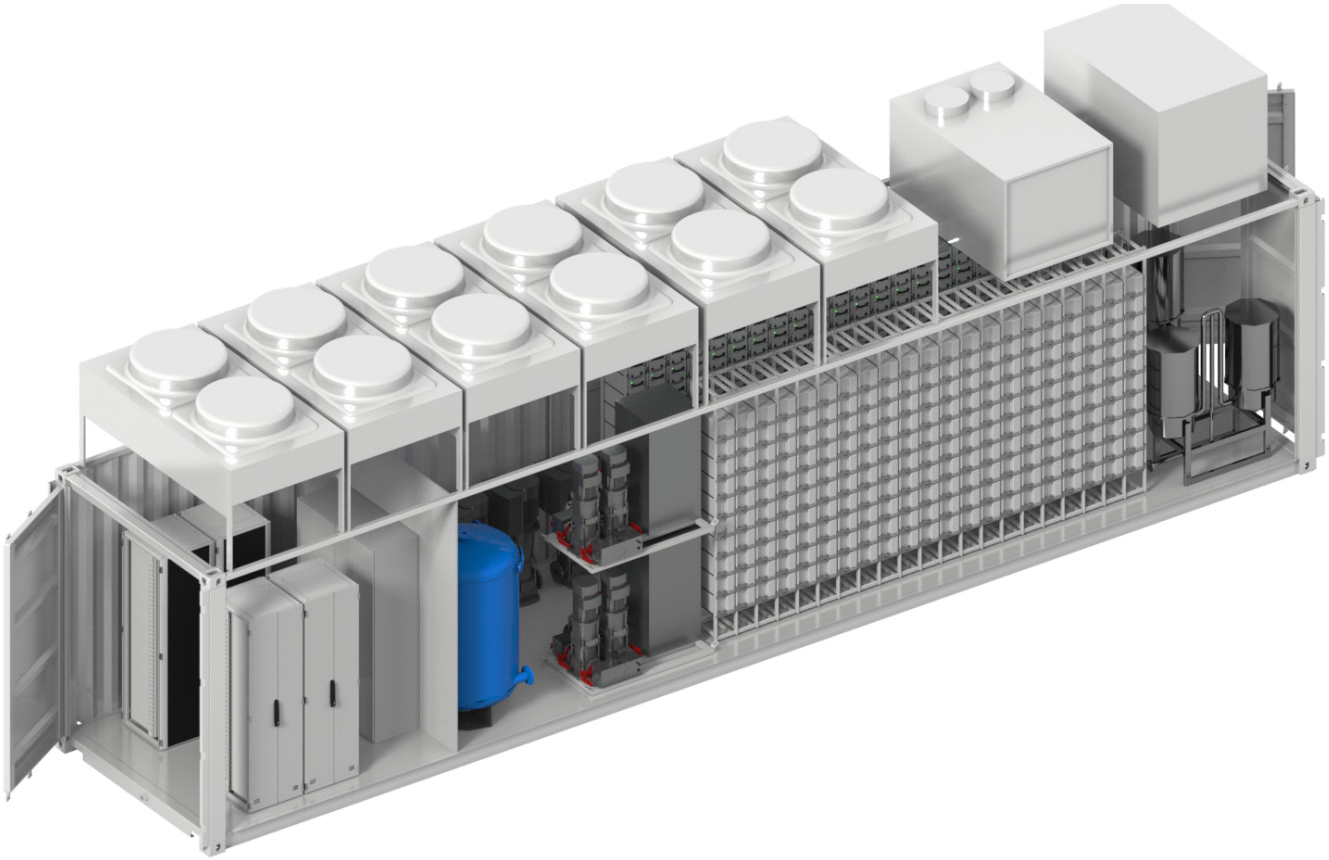
AEM Multicore

Enapter



The Enapter Electrolyser AEM Multicore is packaged in a 40’ container, largely pre-assembled for fast commissioning. Site works are limited to the installation of fluid lines, grid connections and the HVAC system on the container roof.

KEY FEATURES

- Low cost hydrogen
- Very flexible operation
- High efficiency
- Maximum uptime

Specifications

Production rate	210 Nm^3/h	Net volume flow rate
Hydrogen output purity	99.8% in molar fraction	Impurities: $H_2O \approx 1500$ ppm, $O_2 < 5$ppm
Hydrogen output pressure	Up to 35 barg	
Hydrogen output purity (with optional dryer)	99.999% in molar fraction	Impurities: $H_2O < 5$ ppm, $O_2 < 5$ppm
Flexibility	3% - 105% of nominal production rate	
Oxygen output pressure	Atmospheric	
Nominal power consumption per Nm^3 of H_2 produced (beginning of life)	4.8 kWh/Nm^3	Including all utilities inside the battery limits of module
Nominal electrical power consumption	1,008 kW	
Voltage	3 x 400 V(AC) three-phase grid	
Frequency	50/60 Hz	
Nominal water flow	0.19 Nm^3/h purified water	
Inlet water pressure	0.5 - 4 barg	
Inlet water temp.	6 °C - 30 °C	
System life	20 years	
Stack life	> 35,000 operating hours	
Hot startup time	0 - 100% within seconds	
Cold startup time	0 - 100% in ca 30 minutes, depending on ambient temperature	
Footprint	W: 2.438 m × L: 12.192 m × H: 2.591 m	
Weight	Approximately 30 t	
Transport dimensions	40 ft container	