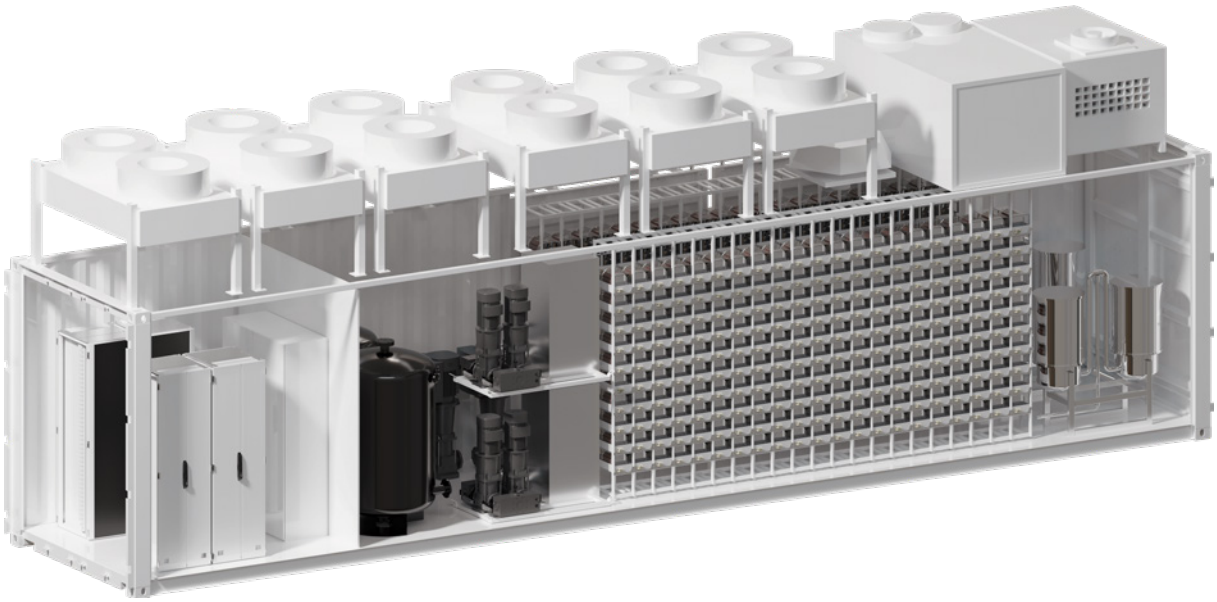
Enapter

AEM Multicore™

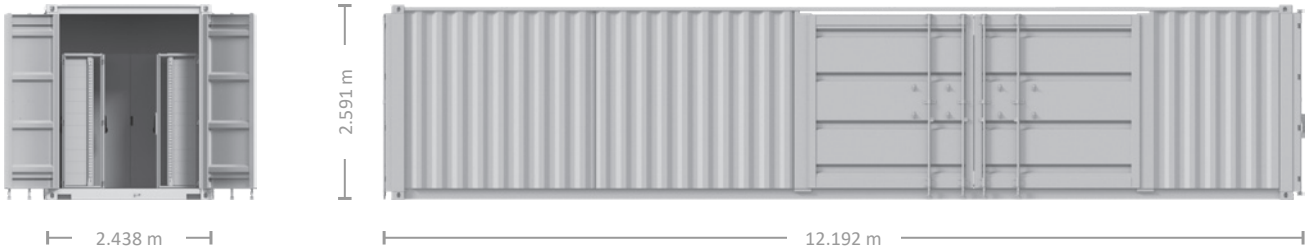


Key features

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

The Enapter Electrolyser AEM Multicore™ is delivered in a 40 ft container. The system is largely pre-assembled for fast commissioning, featuring hundreds of AEM stack modules around a common balance of plant (BoP).

Specifications



Production rate	210 Nm^3/h	Net volume flow rate
Hydrogen output pressure	Up to 35 barg	
Hydrogen output purity	99.9% in molar fraction	
Hydrogen output purity (with optional dryer)	99.999% in molar fraction	
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 × 400 Vac three-phase grid	
Frequency	50/60 Hz	
Nominal water flow	0.19 m^3/h purified water	
Inlet water pressure	0.5 barg – 4 barg	
System life	20 years	
Hot startup time	0 – 100% within seconds	
Cold startup time	0 – 100% in ca 30 minutes, depending on ambient temperature	
Footprint	L: 12.192 m × W: 2.438 m × H: 2.591 m	
Weight	Approximately 30 t	
Transport dimensions	40 ft container	