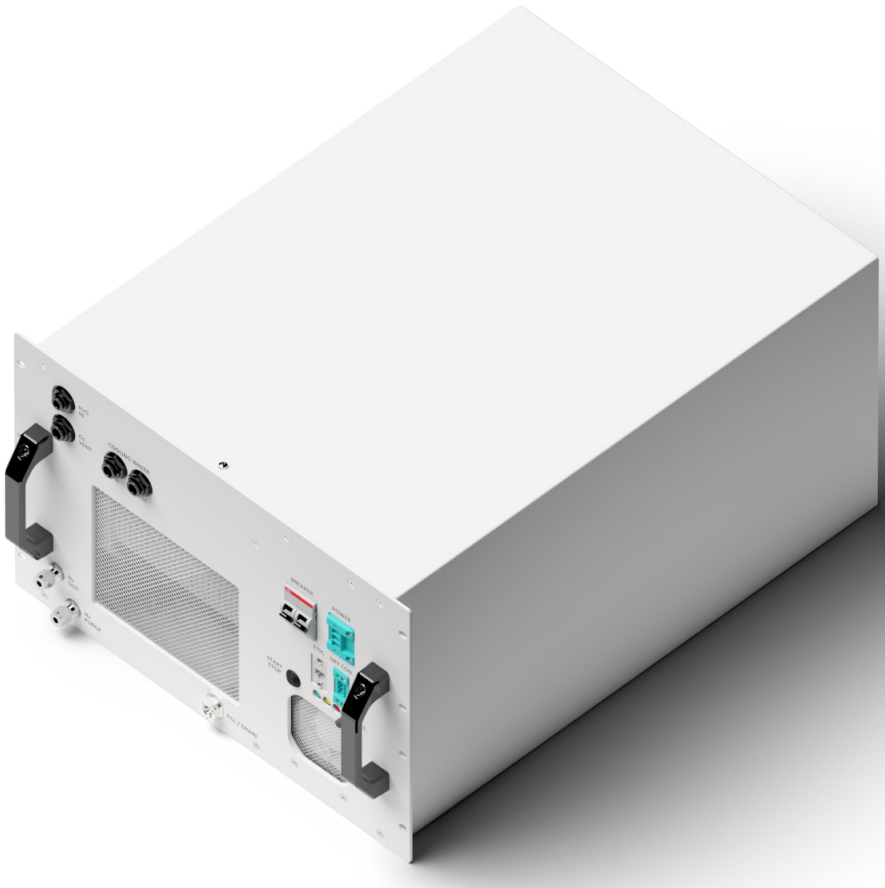
AEM Electrolyser
EL 2.1 LC



The liquid-cooled version of Enapter's patented anion exchange membrane (AEM) electrolyser. The modular design – paired with advanced software integration – allows set up in minutes and remote control and management. Stack this electrolyser to achieve the required hydrogen production rate. Use waste heat from the system to increase your efficiency.

KEY FEATURES

- High efficiency
- Automated & remote operation with Enapter's Energy Management System
- Low maintenance requirements
- Usage of waste heat possible

Specifications

Enapter
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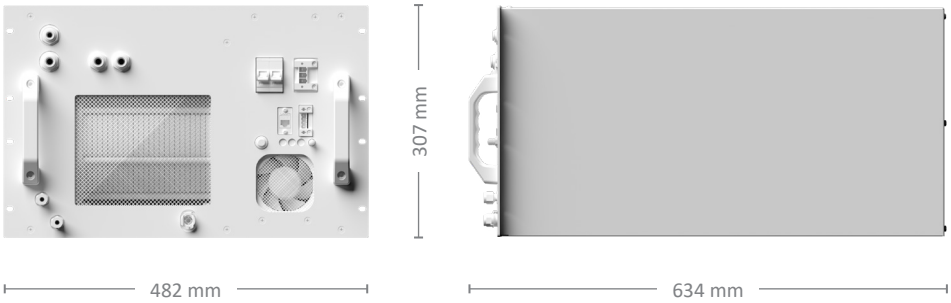

Production rate	500 NL/h 1.0785 kg/24h
Hydrogen output purity directly	35bar: ~ 99.90% (Impurities: ~ 1000 ppm H_2O) 8bar: > 1500 ppm H_2O
Output pressure	Up to 35 barg
Nominal power consumption per Nm^3 of H_2 produced	4.8 kWh/Nm^3, beginning of life
Operative power consumption	2.4 kW
Stand-by power consumption	15 W
Power supply	AC 200 - 240 V, 50/60 Hz
Ambient operative temperature range	5 °C - 50 °C
Ambient operative humidity range	Up to 95% Rh, non-condensing
IP rating	IP 20
Control and monitoring	Fully automatic with Enapter's EMS, Modbus TCP via Ethernet
Water consumption	~ 400 mL/h
Maximum water input conductivity	< 20 µS/cm at 25 °C
Water input pressure range	1 - 4 barg
Max. input pressure for cooling water	7 barg
Recommended cooling water flow	2 L/min at 40 °C inlet temperature, tap-water quality, beginning of life
Waste heat recovery	Up to 490 W (depending on cooling water inlet temperature and flow rate), beginning of life
Weight	54 kg
Dimensions	W: 482 mm × D: 634 mm × H: 307 mm
Space inside cabinet	7 U
Conformity	CE certified according to the machine directive 2006/42/CE