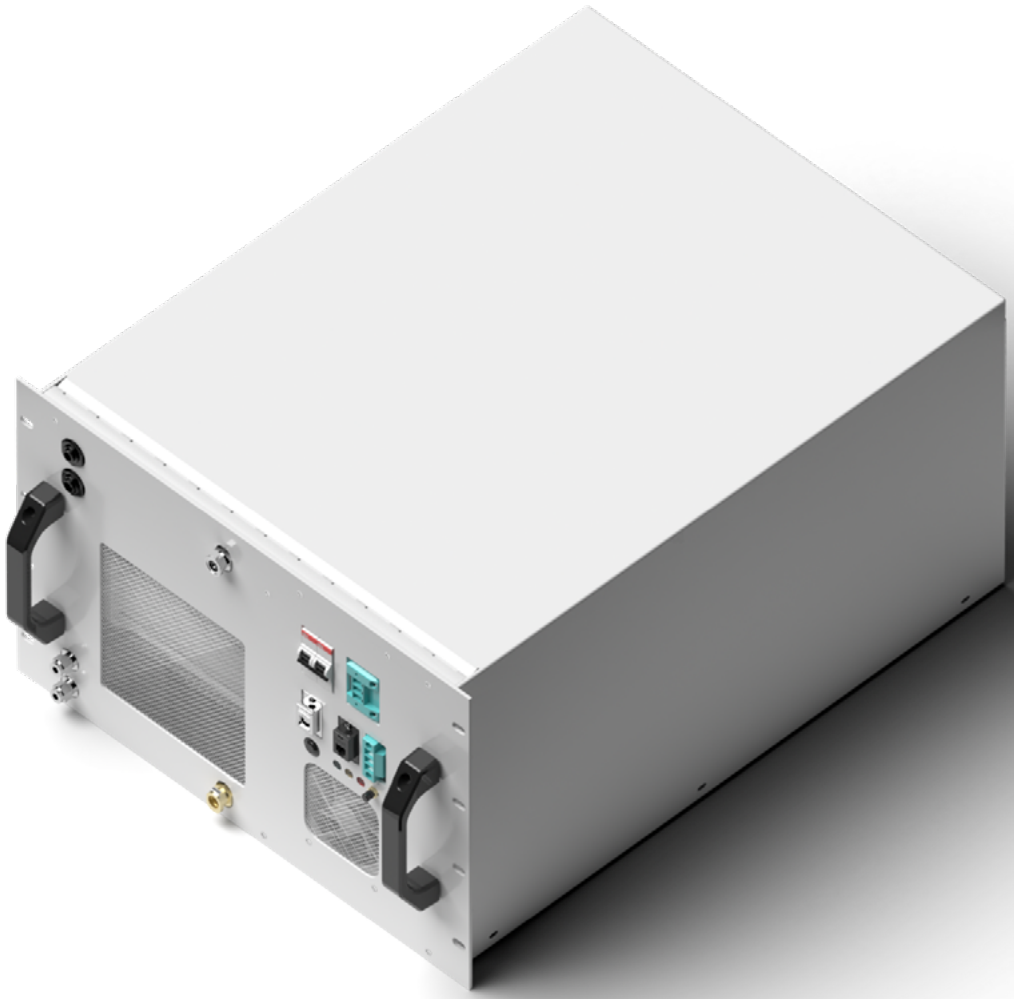
Electrolyser EL 2.1

Enapter

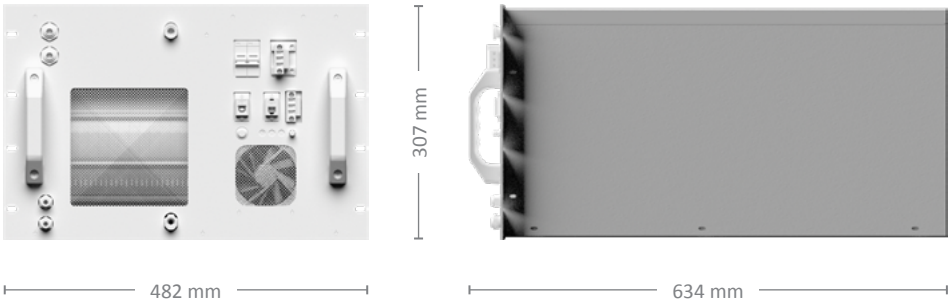


Enapter's patented anion exchange membrane (AEM) electrolyser is a standardized, stackable and flexible system to produce on-site hydrogen. The modular design – paired with advanced software integration – allows set up in minutes and remote control and management. Stack this electrolyser to achieve the required hydrogen flowrate.

KEY FEATURES

- High efficiency
- Automated & remote operation with Enapter's Energy Management System
- Low requirements for input water purity
- Ideal for on-site hydrogen production
- Modules can be easily integrated in 19" racks
- Safe operation
- Scalable and modular, add as many modules as needed
- Quick and easy installation
- Low maintenance requirements
- Small footprint thanks to compact design

Specifications



Production rate	500 NL/hr
Hydrogen output purity	35 bar: ~ 99.9% (Impurities: ~ 1000 ppm H_2O) 8 bar: > 1500 ppm H_2O
Output pressure	Up to 35 barg
Nominal power consumption per Nm^3 of H_2 produced (beginning of life)	4.8 kWh/Nm^3
Operative power consumption	2400 W
Stand-by power consumption	15 W
Power supply	200-240 V, 50/60 Hz
Ambient operative temperature range	5°C to 45°C
Ambient operative humidity range	Up to 95% humidity, non-condensing
IP rating	IP 20
Control and monitoring	Fully automatic with Enapter's EMS, Modbus TCP via Ethernet
Water consumption	~400 ml/hr
Maximum water input conductivity	20 µS/cm at 25°C
Water input pressure range	1 - 4 barg
Weight	55 kg
Dimensions (W × D × H in mm)	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