

Electrolyser EL 2.1



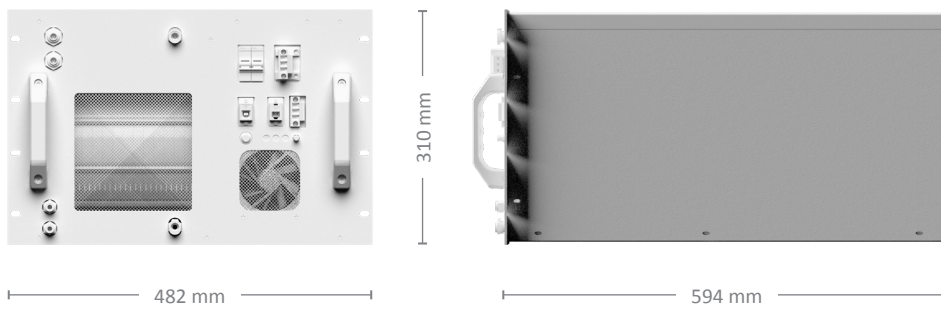
Enapter's patented anion exchange membrane (AEM) electrolyser is a standardized, stackable and flexible system to produce on-site hydrogen. The modular design – paired with advanced software integration – allows set up in minutes and remote control and management. Stack this electrolyser to achieve the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

Enapter
Electrolyser EL 2.1



Hydrogen production rate	500 NL/hr 1.0785 kg/24 hr
Output pressure	Up to 35 bar
Hydrogen output purity directly	~ 99.9% (Impurities: ~ 1,000 ppm H ₂ O)
Hydrogen output purity with dryer	> 99.999% in molar fraction
Average dewpoint and impurities with dryer	< -70°C, compliant with ISO14687 (H ₂ O < 5 ppm, O ₂ < 5 ppm)
Operative power consumption (at standard conditions)	2.2 kW
Stand-by power consumption	15 W
Standard power supply	AC 200-240 V, 50/60 Hz
Water consumption	0.4 L/hr
Water input conductivity	< 20 µS/cm (at 25°C)
Water input pressure	1 - 4 bar
Ambient temperature	5 - 45°C
Ambient humidity	20 - 95%, non-condensing
Module dimensions	W × D × H in mm = 482 × 594 × 310 (7U)
Module weight (without water)	50 kg
Control and monitoring	Fully automatic with Enapter's EMS, Modbus