

Electrolyser 2.1 (EL 2.1)



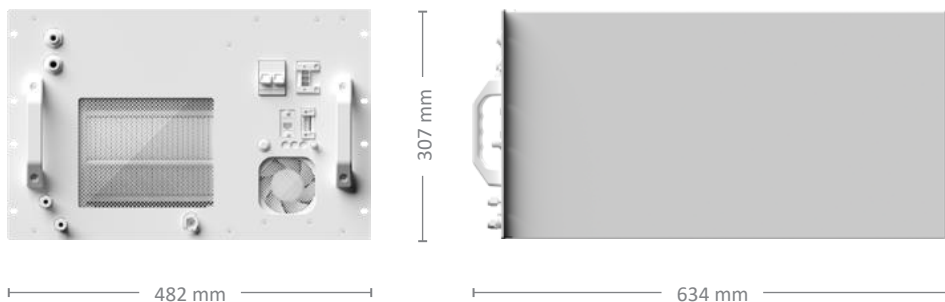
Electrolyser 2.1: Enapter's patented anion exchange membrane (AEM) electrolyser is a standardized, stackable and flexible system to produce on-site hydrogen. The modular design – paired with advanced software integration – allows set up in minutes and remote control and management. Stack this electrolyser 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
- ≡ Low maintenance requirements
- ≡ Safe operation
- ≡ Scalable and modular, add as many modules as needed
- ≡ Modules can be easily integrated in 19" racks
- ≡ Quick and easy installation
- ≡ Small footprint thanks to compact design

Specifications

Electrolyser EL 2.1



W × D × H = 482 x 634 x 307 mm

Production rate	500 NI/h 1,0785 kg / 24 h
Hydrogen output purity	35 bar: ~ 99.9 % (Impurities: ~ 1000 ppm H ₂ O)
Output pressure	Up to 35 bar
Nominal power consumption per Nm³ of H₂ 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 (Energy Management System), 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 bar
Weight	55 kg
Dimensions (W × D × H in mm)	482 x 634 x 307
Space inside cabinet	7 U
Technical compliance	CE certified according to the machine directive 2006/42/CE

Contact us: sales@h2coresystems.com; +49 151 11 34 78 99



This is a design data sheet, changes to the technical parameters are protected.