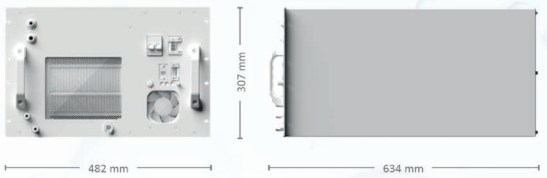
ELECTROLYSER EL 2.1

ENAPTER'S PATENTED ANION EXCHANGE MEMBRANE (AEM) ELECTROLYSER IS A STANDARDIZED, STACKABLE AND FLEXIBLE SYSTEM TO PRODUCE ON-SITE HYDROGEN.



AEM Electrolyser EL 2.1

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.

Production rate	500 Nl/h 1,0785 kg / 24 h
Hydrogen output purity	35 bar: ~ 99.9 % (Impurities: ~ 1000 ppm H_2O)
Output pressure	Up to 35 bar
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 (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

Contact us: sales@h2coresystems.com www.h2coresystems.com

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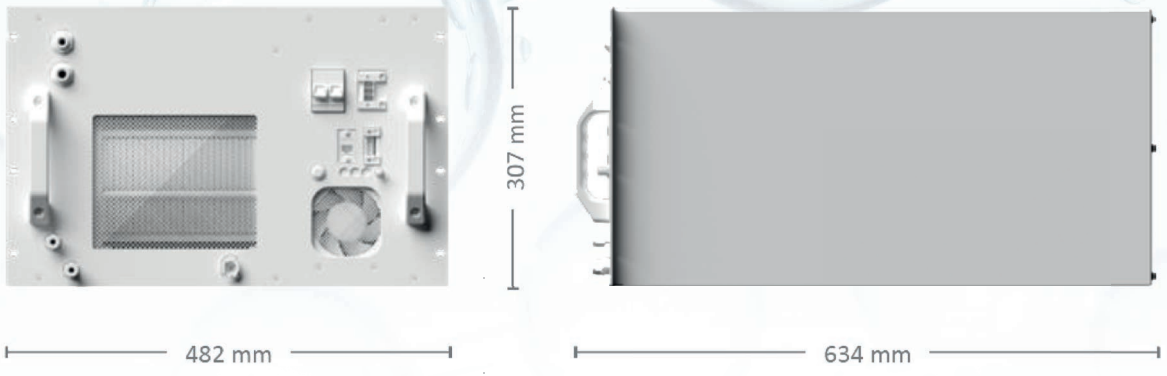

Dimensions (W × D × H in mm)	482 x 634 x 307
Space inside cabinet	7 U
Technical compliance	CE certified according to the machine directive 2006/4

KEY FEAUTURES

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

AEM: Anion Exchange Membrane

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