

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

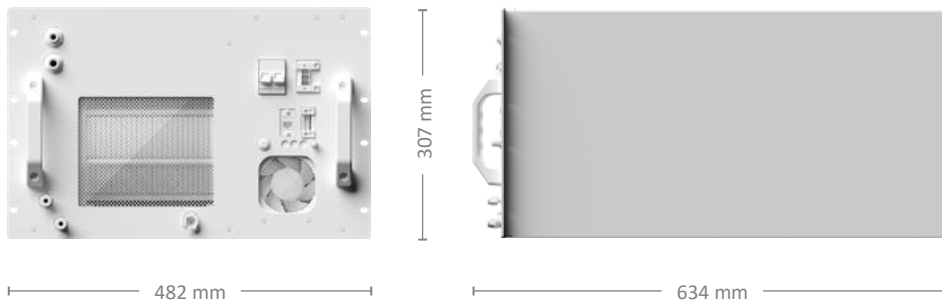
- ≡ High efficiency
- ≡ Automated & remote operation with Enapter's Energy Management System
- ≡ Low requirements for input water purity
- ≡ Ideal for on-site hydrogen production
- ≡ Low maintenance requirements
- ≡ Safe operation
- ≡ Scalable and modular, add as many modules as needed
- ≡ Modules can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

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

Specifications

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W × D × H = 482 x 634 x 307 mm

| | |
|--|---|
| Production rate | 500 NI/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, 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 mm |
| Space inside cabinet | 7 U |
| Technische Konformität | CE certified according to the machine directive 2006/42/CE |

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