Electrolyser EL 2.1 NB DC





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

- Safe operation
- Quick and easy installation
- Low maintenance requirements
- Small footprint thanks to compact design

Specifications

Enapter Electrolyser EL 2.1 NB DC





Production rate	500 NL/hr
Hydrogen output purity	35 bar: ~ 99.9% (1000-1500 ppm H₂O)
Output pressure	Up to 35 barg
Nominal power consumption per Nm ³ of H₂ produced (beginning of life)	4.8 kWh/Nm ³ (estimated – no data acquired)
Operative power consumption	2400 W (estimated – no data acquired)
Stand-by power consumption	15 W (estimated – no data acquired)
Power supply	DC 48-60 V
Ambient operative temperature range	5°C to 45°C (estimated)
Ambient operative humidity range	20-95%, non-condensing (estimated)
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
Weight	55 kg
Dimensions (W × D × H in mm)	W:358 mm D:627 mm H:465 mm
Space inside cabinet	Not Applicable
Conformity	Prototype

