

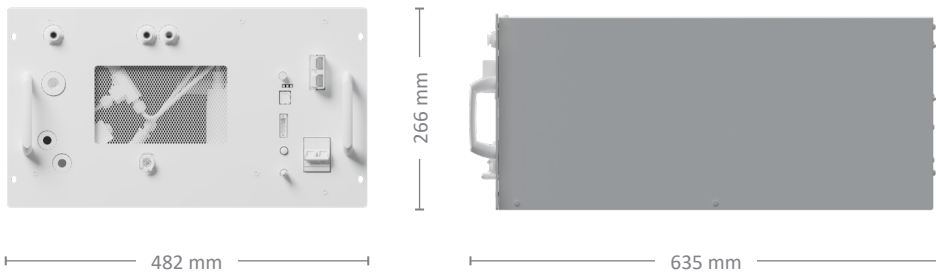
AEM Electrolyser EL 4.0 DC LC



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.

Specifications

Enapter
AEM Electrolyser EL 4.0 DC LC



Production rate	500 NL/h, 1.0785 kg/24h
Hydrogen output purity	35 bar: 99.9% (1000 - 1500 ppm H ₂ O) 8 bar: > 7000 - 9000 ppm H ₂ O
Output pressure	Up to 35 barg
Nominal power consumption per Nm³ of H₂ produced	4.8 kWh/Nm ³ , beginning of life
Operative power consumption	2.4 kW, beginning of life
Peak power consumption	3 kW
Max heat dissipation (ambient) Max heat dissipation (cooling line)	0.5 kW 0.5 kW
Power supply	DC 48 - 60 V
Maximum water input conductivity	20 μS/cm at 25 °C
Water consumption	~ 400 mL/h
Water input pressure range	1 - 4 barg
Cooling water pressure range	2 - 7 barg
Cooling water temperature range	5 °C - 40 °C
Cooling water flow	~ 2 L/min, tap-water quality
Ambient operative temperature range	5 °C to 45 °C
Ambient operative humidity range	Up to 95% Rh, non-condensing
IP rating	IP 20
Dimensions	W: 482 mm × D: 635 mm × H: 266 mm
Weight	37 kg
Space inside cabinet	6 U

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Control and monitoring

Fully automatic with Enapter's EMS via 2.4 GHz Wi-Fi and Bluetooth, Modbus TCP over Ethernet

Conformity

CE (2006/42/CE), S.E.P. Classified (2014/68/EU PED), EN ISO 12100, IEC 61508, EN IEC 61000-6-3, EN IEC 61000-6-2, ISO 22734 ready
