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

#### Production rate
500 NL/h, 1.0785 kg/24h

#### Hydrogen output purity
- 35 bar: 99.9% (1000 – 1500 ppm H₂O)
- 8 bar: > 7000 – 9000 ppm H₂O

#### Output pressure
Up to 35 barg

#### Nominal power consumption per Nm³ of H₂ produced
4.8 kWh/Nm³, beginning of life

#### Operative power consumption
2.4 kW, beginning of life

#### Peak power consumption
3 kW

#### Max heat dissipation
1 kW

#### Power supply
200 – 240 V(AC), 50/60 Hz

#### Maximum water input conductivity
20 µS/cm at 25 °C

#### Water consumption
~ 400 mL/h

#### Water input pressure range
1 – 4 barg

#### Ambient operative temperature range
5 °C – 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
41 kg

#### Space inside cabinet
6 U

#### Control and monitoring
Fully automatic with Enapter’s EMS via 2.4 GHz Wi-Fi and Bluetooth, Modbus TCP over Ethernet

#### Conformity
- CE mark according to the machine directive 2006/42/CE
- UKCA mark according to Supply Machinery (Safety) Regulations 2008