

Water Tank 4.1

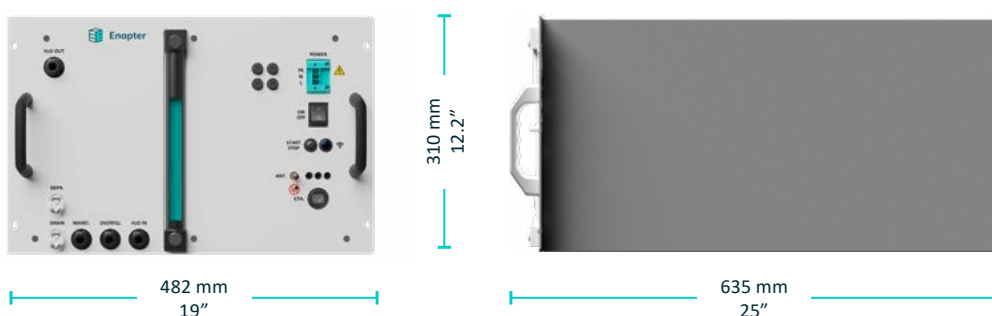


Enapter's Water Tank 4.1 provides storage for 28.5 litres of clean water for the AEM Electrolyzer. The water tank 4.1 is rack mountable into a standard 19" cabinet. The tank contains a conductivity sensor and a pump system to supply up to 12 AEM Electrolyzers with clean water.

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

Specifications

Enapter
Water Tank 4.1



Altitude	2000 m
Capacity	28.5 L (7.5 gal)
Output Pressure	Up to 2.75 barg ¹
Operative power consumption	35 W
Stand-by power consumption	3W
Power supply	AC 110-240 V, 50/60 Hz
Ambient Operative Temperature Range	5 °C to 45°C (41 °F to 113 °F)
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 over Ethernet, offline/local commissioning available
Water input requirements	- Recommended Type II according to ASTM D1193-06 and required acidity < 0.1 meq/L according to ASTM D1067 - Minimum conductivity of < 2 µS/cm
Water input pressure range	≤ 6 barg (≤ 87 psig)
Max outlet flow rate	3.8 L/min
Water inlet flow requirement	> 0.28 L/min
Weight (without water)	13 kg (28.6 lbs)
Weight (with water)	47 kg (103.6 lbs)
Dimensions (W x D x H in mm)	482 x 634 x 310 mm
Space inside cabinet	7 U
Maintenance	After any period without use exceeding 1 month, the tank must be drained and washed before continuing usage.
Recommended number of electrolyzer modules to be supplied	Up to 12 ²

¹ Internal demand pump: pressure switch setting at 2.75 barg

² AEM EL 4.1

Note: The product is under continuous improvement and the technical specifications and layouts might be subject to change.

WTM41-DTS-COM01_rev00