

# Electrolyser AEM Cluster 70



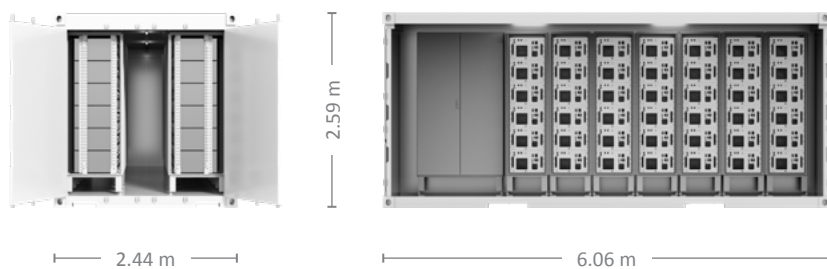
The Enapter AEM Cluster 70 is a fully assembled, ready to run and packaged electrolyser system in a 20' container. It supplies hydrogen with a rate of  $36\text{Nm}^3/\text{hr}$  at  $\sim 99.9\%$  purity. Site works are limited to the connection of vent and purge lines, water supply, hydrogen outlet piping as well as grid connections.

## KEY FEATURES

- ≡ Extremely high availability and built-in redundancy
- ≡ Automated & remote operation with Enapter's Energy Management System
- ≡ Low requirements for input water purity
- ≡ Ideal for on-site hydrogen production
- ≡ Safe operation
- ≡ Scalable and modular from 10 to  $36\text{Nm}^3/\text{hr}$
- ≡ Quick and easy installation
- ≡ Low maintenance requirements

# Specifications

Enapter  
Electrolyser AEM Cluster 70



<b>Nominal power consumption</b>	185 kW
<b>Standard grid connection</b>	3 × 400 VAC three phase grid
<b>Nominal standby power</b>	12 kW
<b>Hydrogen production</b>	36 Nm <sup>3</sup> /hr 77 kg/day
<b>Dynamic hydrogen production range</b>	1 - 100%
<b>Hydrogen output purity</b>	99.9% in molar fraction
<b>Output pressure</b>	0 - 35 barg
<b>Water requirements</b>	Clean tap water, internal purification included
<b>Water input pressure</b>	1 - 4 barg
<b>Average water quantity</b>	~ 55 L/hr ~ 1.3 m <sup>3</sup> /day
<b>Cooling system</b>	Liquid-cooling
<b>External dimensions</b>	20' container W × D × H in m = 2.44 × 6.06 × 2.59
<b>Control and monitoring</b>	Fully automatic with Enapter's EMS, Modbus