

HydroCluster



Hydrocluster: The big, modular, scalable, full assembled, quick, and easy system for your individual H2 application.

Our with electrolyzers packed Hydro Cluster supplies hydrogen with a rate of 36Nm³/h at 99.999% 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 Nm³/hr
- ≡ Quick and easy installation
- ≡ Low maintenance requirements

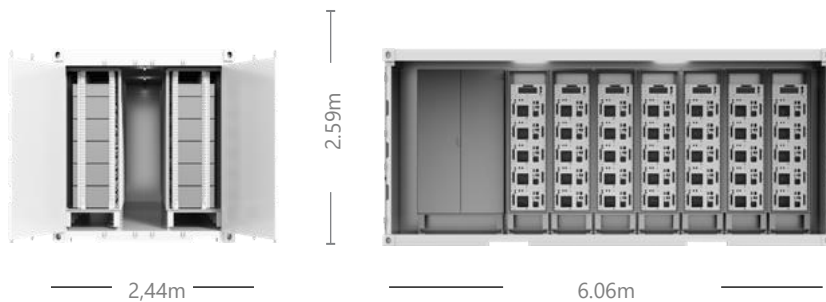
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This is a design data sheet, changes to the technical parameters are protected.

Specifications

HydroCluster



Nominal power consumption	155 kW
Standard grid connection	3 x 400 VAC three phase grid
Nominal standby power	12 kW
Hydrogen production	36 Nm ³ /h 72 kg/day
Dynamic hydrogen production range	1 – 130 %
Hydrogen output purity	99.999 % in molar fraction
Output pressure	0 -35 bar
Average water quantity	~ 55 l/h ~ 1,3 m ³ /day
Cooling system	Liquid-cooling
External dimensions	20' container W x D x H in m = 2.44 x 6.06 x 2.59
Control and monitoring	Fully automatic with Enapter's EMS (Energy Management System), Modbus TCP via Ethernet