

GREEN ENERGY STORAGE

HY2MEDI



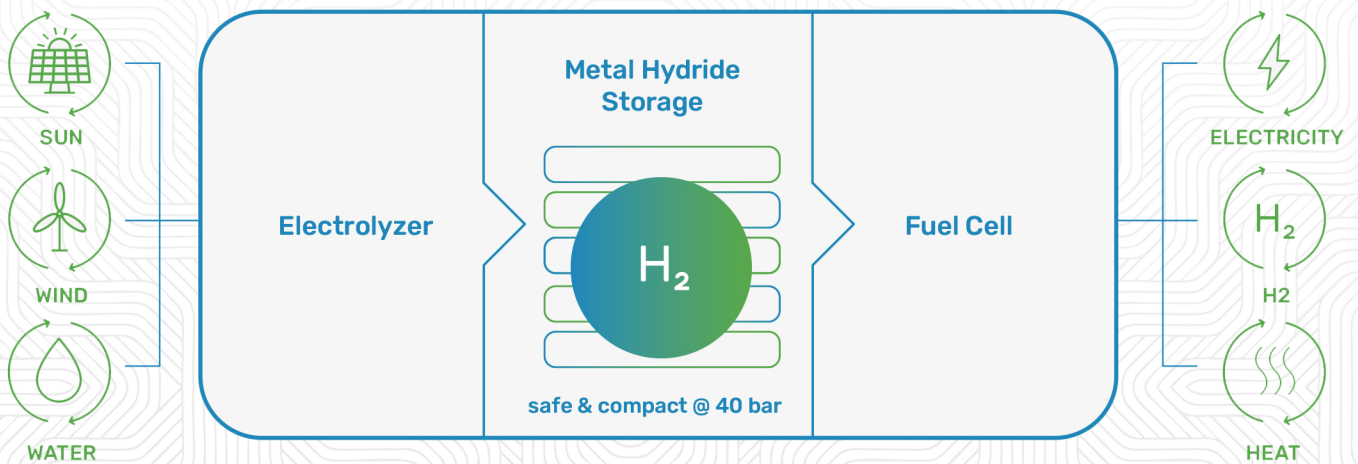
Energy storage capacity
30 - 120 kg hydrogen
 (0.5 - 2MWh electrical)

Power
7 - 14kw / 14 - 19kw
 peak load (15 min every 12h)

Electrical system
1 or 3 Phase to local
requirement
 EU 120V/230V/400V - 50 Hz
 NA 120V/240V/480V - 60 Hz

20 feet containerized solution

How to increase use of renewable energy?
Store as green hydrogen and reuse on-demand!



Want to learn more? www.greenhy2.com.au





SPECIFICATION



Energy storage capacity

0.5 - 2 MWh electrical
30 - 120 kg H2 @max. 40bar



Nominal load

7-14kW



Peak load

14W / 19kW
(15 min every 12h)



Output voltages

EU 120V/230V/400V - 50 Hz
NA 120V/240V/480V - 60 Hz



Power during outage

7kW up to 285h /
14kW up to 142h



Electrolyzer

Up to 10 kg hydrogen per day



Dimensions / Weight

6.0 m x 2.5 m x 2.6 m /
13,000 - 20,000 kg

Application areas



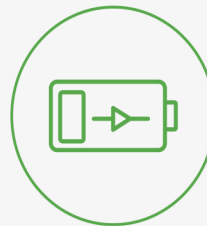
INDUSTRY



BACK-UP
POWER SUPPLY



MICRO GRIDS
& AUTARCHY



ENERGY BALANCING



ELECTRICAL
VEHICLE CHARGING

Unique advantages

100% recyclable

100% safe - Solid state hydrogen storage at max. 40 bar

Superior energy / space ratio vs. batteries or compressed gas storage

Storage life expectancy of 30 years

Energy storage capacity maintained over lifetime

No compressor needed

Requirements

- Concrete foundation (building authority)
- Interface points (Input: PV, wind.../ Output: power line, waste heat recovery line)
- Definition of operational mode (off-grid, grid-parallel, back-up power)
- Certification authority request

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