

# GREEN ENERGY STORAGE

## HY2MINI



Energy storage capacity

**10 - 25 kg hydrogen**  
(165 - 420 kWh electrical)



Power

**7kW / 19kW**  
peak load (15 min every 12h)

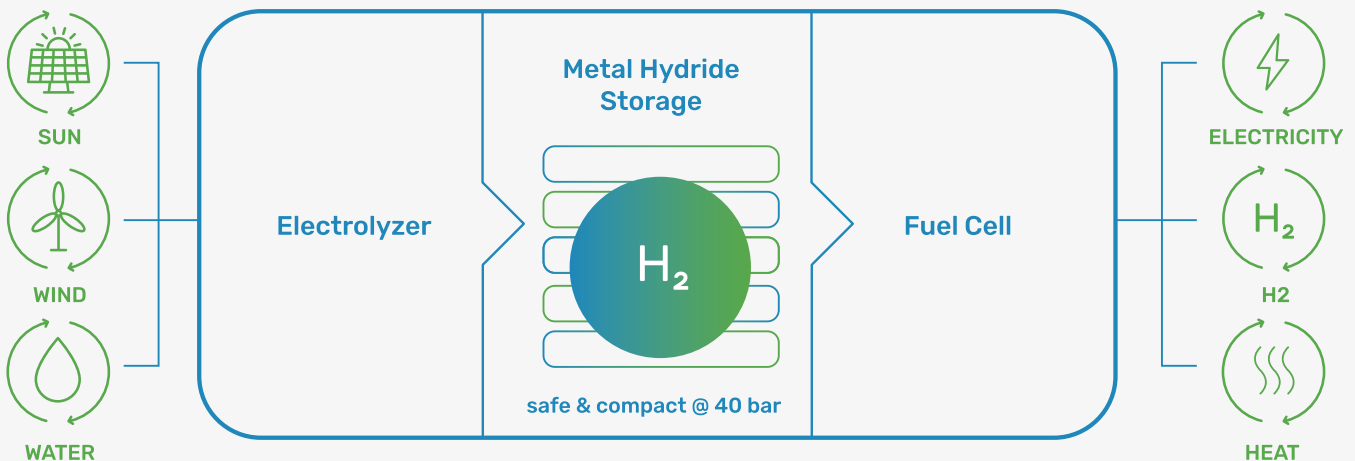


Electrical system

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

10 feet containerized solution

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



# SPECIFICATION



Energy storage capacity

**165 - 420 kWh electrical**  
**10 - 25 kg H<sub>2</sub> @ max. 40 bar**



Nominal load

**7 kW**



Peak load

**19 kW (15 min every 12h)**



Output voltages

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



Power during outage

**7 kW up to 60h**



Electrolyzer

**1 - 4 kg hydrogen per 24 h**



Dimensions / Weight

**3 m x 2.5 m x 2.6 m /**  
**4,000 - 6,000 kg**

## Application areas



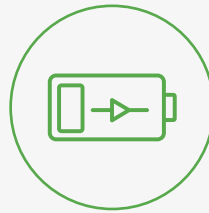
INDUSTRY



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)
- Definition of operational mode (off-grid, grid-parallel, back-up power)
- Certification authority request

