

# GREEN ENERGY STORAGE

## Power-to-Power (P2P) - 10' Unit



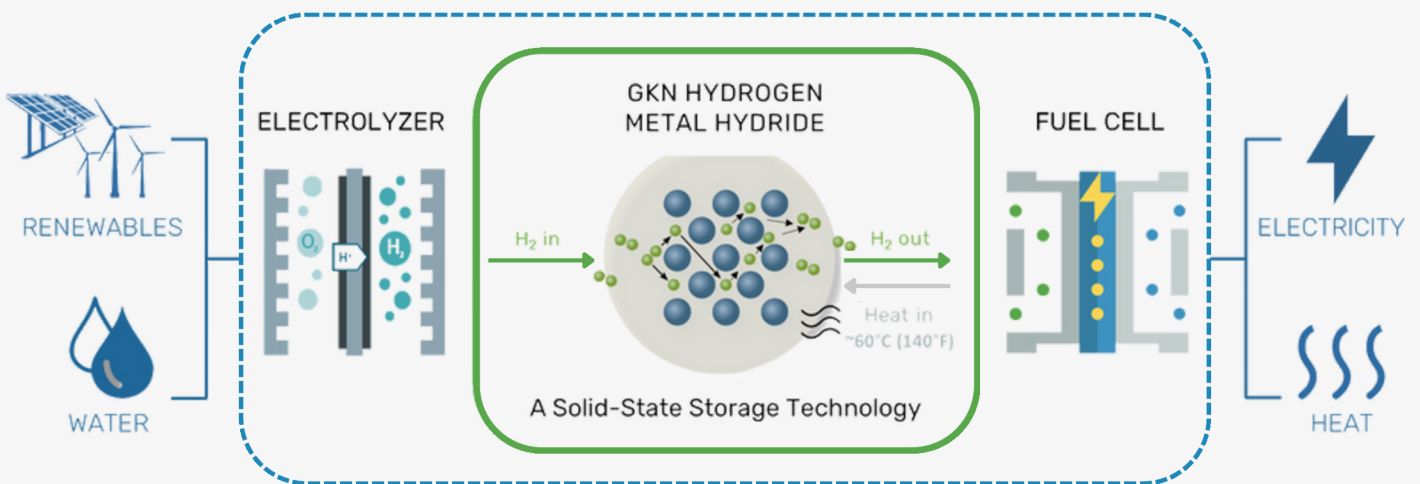
10 foot containerized solution

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

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

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

**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



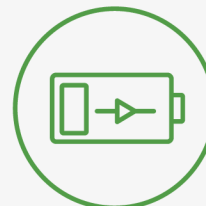
INDUSTRY



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

