



# Methydor

## FRIENDLY HYDROGEN STORAGE

100% RECYCLABLE

SAFE LOW PRESSURE

THERMAL MANAGEMENT

LONG LIFE

AMBIENT TEMPERATURE

## SOLID HYDROGEN STORAGE

The Solid Hydrogen Storage system is a hydrogen storage solution that uses the metal hydride technology to store large amount of hydrogen in reduced volumes and safely

The system is able to operate at low pressure and ambient temperature, and it can be directly coupled with electrolyzers and fuel cells

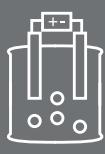
**HYDOR SYSTEMS**

**Flexibility**  
is given by  
custom  
module  
design

**Modularity**  
allows  
simple  
scalability



Patented solution



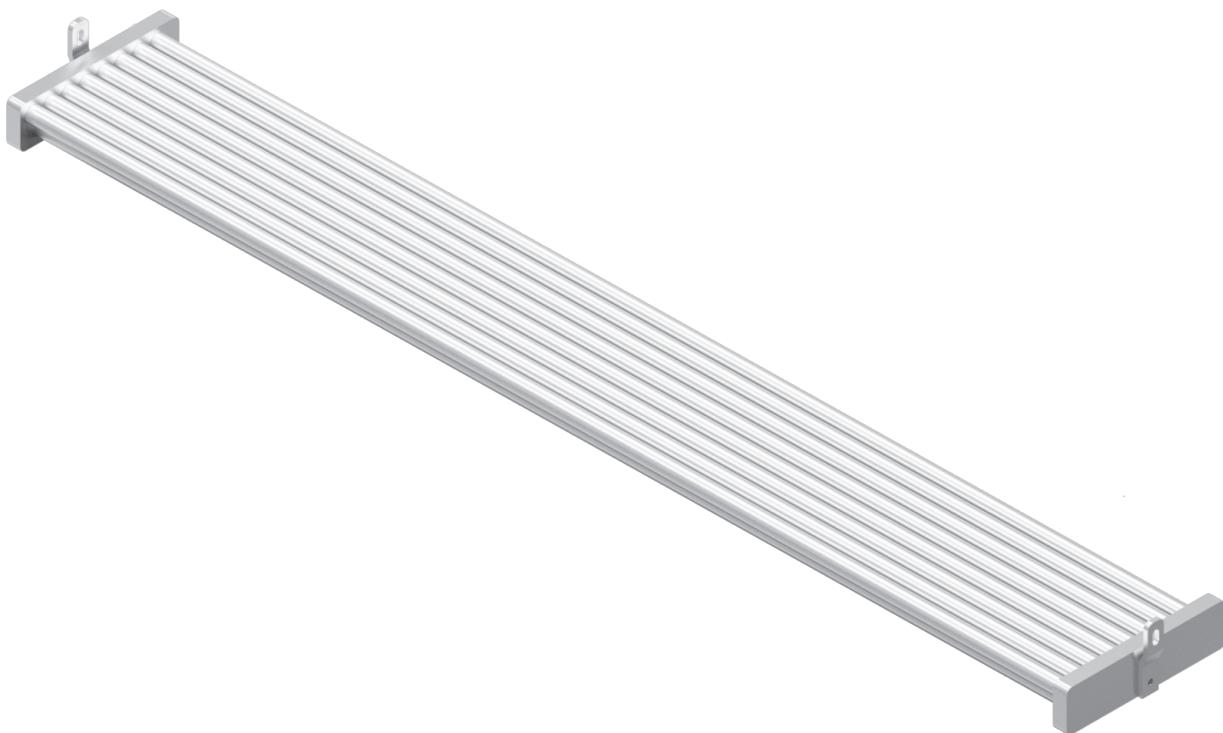
Electrolyser  
direct coupling



Modular  
design

# Technologies for Hydrogen storage systems

## Single module HYDOR S 20



### Storage Capacity

H2 capacity (nominal) kg 0,6  
Energy stored kWh 20

### Charge

Pressure bar 20 - 35  
Temperature °C 15 - 25  
H2 Flow max kg/h 0,4  
Thermal Power required kW 1,5

### Discharge

Pressure bar 1.5 - 30  
Temperature °C 40  
H2 Flow max kg/h 0,4  
Thermal Power required kW 1,5

### Dimensions

(L x B x H) - mm 1500 x 295 x 75

### Weight

kg 75

### External temperature

°C -20 to 50

### Certifications

Ped (2014/68/UE)