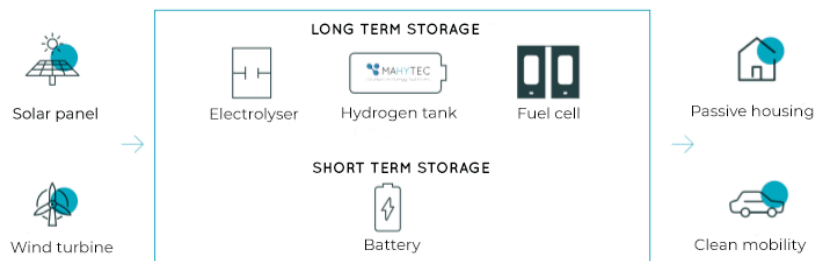


## SECURITY: Renewable Energies Storage Solutions

### SECURITY is a modular solution

The standard version presented below allows to store

- 150kWh of energy
  - 120kWh through hydrogen
  - 30kWh through batteries
- Maximal peak output: 50kW



HYDROGEN PRODUCTION	
<b>Electrolyser type</b>	PEM
<b>Hydrogen production rate</b>	1Nm <sup>3</sup> /h
<b>Output pressure</b>	50bar
<b>Hydrogen purity</b>	99.9995%
<b>Power</b>	5.5kW
HYDROGEN STORAGE	
<b>Materials</b>	Type IV – Polymer liner reinforced with composite material
<b>Maximum working pressure</b>	60bar
<b>Total mass of hydrogen stored at 60bar (15°C)</b>	8.4kg
<b>Valves</b>	PRV and TPRD
<b>Instrumentation</b>	Standard P&ID, can be adapted to customers' requests
FUEL CELL	
<b>Maximal power</b>	3.6kW
<b>Nominal power</b>	3.2kW
BATTERIES	
<b>Type</b>	Lead-gel
<b>Capacity</b>	30kW
CONTAINER 8ft	
<b>Dimensions (m)</b>	2.42 x 2.42 x Height 2.72 (2.40 inside)