

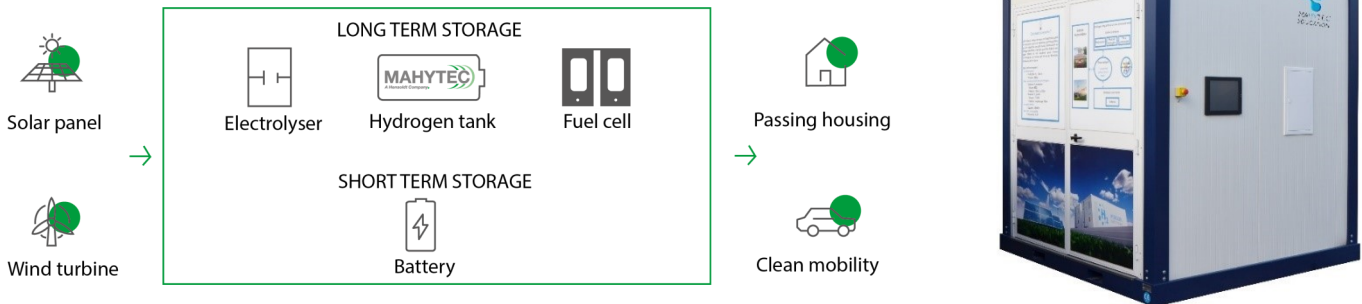
## SECUTITHY: Renewable Energies Storage Solutions

SECURITHY is a modular solution.

The standard version presented below allows to store :

-150kWh of energy (120kWh through hydrogen and 30kWh through batteries)

- maximal peak output: 50kW



HYDROGEN PRODUCTION	
Electrolyser type	PEM
Hydrogen production rate	1Nm <sup>3</sup> /h
Output pressure	50bar
Hydrogen purity	99.995%
Power	5.5kW
HYDROGEN STORAGE	
Hydrogen tank	Type IV-Polymer liner reinforced with composite material
Maximum working pressure	60bar
Total mass of stored hydrogen at 60 bar (15°C)	8.4kg
Valves	PRV and TPRD
Instrumentation	Standard P&ID, can be adapted to customers' requests
FUEL CELL	
Maximal power	3.6kW
Nominal power	3.2kW
BATTERIES	
Type	Lead-gel
Capacity	30kWh
CONTAINER 8ft	
Dimensions (m)	2.42x2.42xHeight 2.72 (2.40 inside)