

Hydrogen and the Laws of Nature

Stage 1 | Generation of Hydrogen



1 Liter of Water

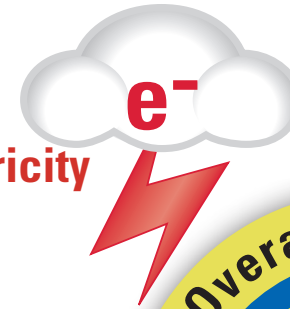
contains



0.111 kg
of Hydrogen

and requires:

~ 5.6 kWh of Electricity
to convert with an
Electrolyzer.



PROCESS IN AN ELEKTROLYZER

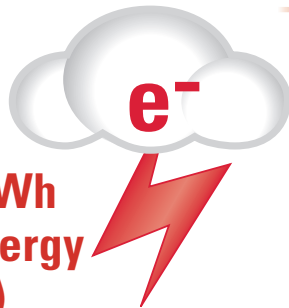
Stage 2 | Application of Hydrogen



0.111 kg
of Hydrogen

contains

3.7 kWh
of Energy
(LHV)



... and becomes:

1.8 kWh of Electricity
through a Fuel Cell.



PROCESS IN A PROCESS IN A FUEL CELL SYSTEM

Overall efficiency

25 to
35 %

IMPLEMENTING NEW IDEAS TO SUPPORT OUR ENERGY FUTURE

www.aaevers.com

