

> Hydrogen and the laws of physics



1 Litre of Water

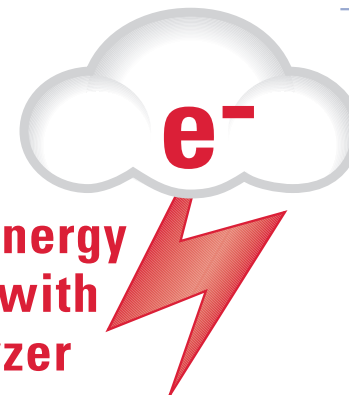
contains



0.111kg of Hydrogen

and requires

~ 5.6 kWhr of energy
to convert with
an electrolyzer



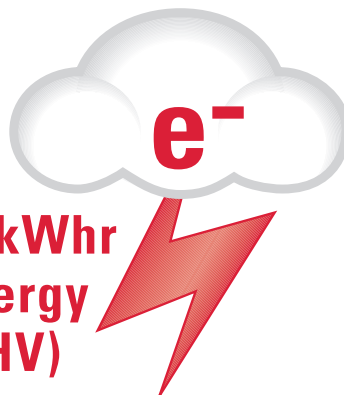
Process in an Electrolyzer

Process in a Fuel Cell System



0.111kg of Hydrogen

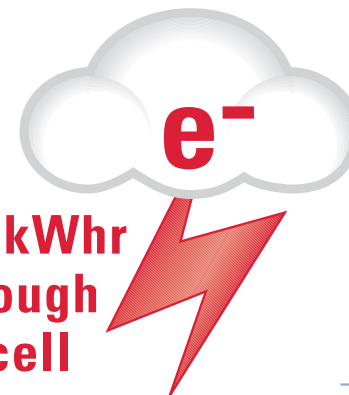
contains



3.7 kWhr
of energy
(LHV)

and becomes

1.8 kWhr
of energy through
a fuel cell



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IMPLEMENTING NEW IDEAS

Data Source: Daryl Wilson, Hydrogenics Corporation,
Mississauga, Ontario Canada



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