

Download Fuel Cell Technology Handbook

A fuel cell is an electrochemical cell that converts the potential energy from a fuel into electricity through an electrochemical reaction of hydrogen fuel with oxygen or another oxidizing agent. Fuel cells are different from batteries in requiring a continuous source of fuel and oxygen (usually from air) to sustain the chemical reaction, whereas in a battery the chemical energy comes from ...Handbook of Fuel Cell Technology [C (Ed) Berger] on Amazon.com. *FREE* shipping on qualifying offers. Handbook of Fuel Cells: Fundamentals, Technology, Applications, 4 Volume Set [Wolf Vielstich, Arnold Lamm, Hubert A. Gasteiger] on Amazon.com. *FREE* shipping on qualifying offers. This four volume set brings together for the first time in a single reference work the fundamentals, principles and the current state-of-the-art in fuel cells. Its publication reflects the increasing importance of ...A proton exchange membrane fuel cell transforms the chemical energy liberated during the electrochemical reaction of hydrogen and oxygen to electrical energy, as opposed to the direct combustion of hydrogen and oxygen gases to produce thermal energy.. A stream of hydrogen is delivered to the anode side of the MEA. At the anode side it is catalytically split into protons and electrons.