

### Fuel Cell Vs Galvanic Cell

Fuel Cell	Galvanic Cells
- Galvanic cell type	- Reactants contained within cell
- Reactants supplied to cell	- 60-90% efficiency
- 40-60% efficiency, up to 85%	- Portable energy
- Continuous source of high electrical currents	

### Advantages Vs Disadvantages

Advantages	Disadvantages
- More efficient (direct chemical → electrical energy)	- Expensive use/re-actants
- No CO <sub>2</sub> /greenhouse gases made	- Inverter needed from DC → AC
- Electricity made on site	- Hydrogen storage and safety issues
- Many different fuels can be used (most common is hydrogen)	- Hydrogen access issues



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