

**Product Name :**  
Energy Store Training Kit

**Product Code :**  
NRE-18-06-18-0193



**Description :**

Energy Store Training Kit

**Technical Specification :**

The Kit should cover like or better than the following:

Relationship between current, resistance and voltage

Nominal voltage of voltage sources

Four-terminal sensing

Internal resistance of voltage sources

Series connection of voltage sources

I-V characteristics of a single and triple NiMH battery module

I-V characteristics of the Nizn battery module

I-V characteristics of the LiFePo battery module

I-V characteristics of the lead battery module

I-V characteristics of the lithium-polymer battery module

I-V characteristics of a hydrogen fuel cell

The charging behavior of a battery module with resistances

The charging behavior of a battery module with an MPP tracker

The discharge process of a battery module

The charging and discharge process of a capacitor

Hydrogen production in the reversible hydrogen fuel cell

Hydrogen usage of the reversible hydrogen fuel cell

The efficiency of the hydrogen fuel cell

The capacity of a battery module

Operation of the electric car with several battery modules

Efficiency of a single and triple NiMH battery module

Efficiency of a Nizn battery module

Efficiency of a LiFePo battery module

Efficiency of a lead battery module

Efficiency of a lithium-polymer battery module

Temperature-dependent behavior of the lithium-polymer cell

## Electrical and Electronics

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