
What are the different types of energy storage technologies?
Depending on how energy is stored,storage technologies can be broadly divided into the following three categories: thermal,electrical and hydrogen(ammonia). The electrical category is further divided into electrochemical,mechanical and electromagnetic (Figure 2).

What are alternative non-battery storage technologies?
Alternative non-battery storage technologies--such as pumped hydro storage (PHS), compressed air energy storage (CAES), liquid air energy storage (LAES), gravity-based storage, and thermal energy systems (TES)--are emerging as scalable, long-lasting solutions.

What are the different types of stationary energy storage technologies?
Stationary energy storage technologies broadly fall into three categories: electro-chemical storage, namely batteries, fuel cells and hydrogen storage; electro-mechanical storage, such as compressed air storage, flywheel storage and gravitational storage; and thermal storage, including sensible, latent and thermochemical storage.

How can research and development support energy storage technologies?
Research and development funding can also lead to advanced and cost-effective energy storage technologies. They must ensure that storage technologies operate efficiently,retaining and releasing energy as efficiently as possible while minimizing losses.

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