



Selecting the right battery for a particular application requires an understanding of the underlying chemistry and properties of each battery type. The image below shows how we might arrange the various battery kinds according to their energy densities:



Batteries are divided into two general groups: (1) primary batteries and (2) secondary, or storage, batteries. Primary batteries are designed to be used until the voltage is too low to operate a given device and are then discarded.



7 . . , ??? , , ??? . [] . ? 1/4 ????? 1/4 ? ? 1/4 ? Voltaic
 Pile? 1/4 ? ? 1/4 ? Daniell cell? 1/4 ? ? 1/4
 ? Leclanché cell? 1/4 ? ? 1/4 ????? 1/4 ? , (, ???



Different battery types have different advantages and disadvantages. For example, lead-acid batteries are very durable but require regular maintenance, while lithium-ion batteries have a high energy density but are more expensive.



A battery is a device that holds electrical energy in the form of chemicals. An electrochemical reaction converts stored chemical energy into electrical energy (DC). The electrochemical reaction in a battery is carried out by moving electrons from one material to another (called electrodes) using an electric current.



This is a list of the sizes, shapes, and general characteristics of some common primary and secondary battery types in household, automotive and light industrial use. The complete nomenclature for a battery specifies size, chemistry, terminal ???



?????? ? 1/4 ? ? 1/4 ? . 16.11.2022. . vs. . ? 1/4 ?
vs. . . ? 1/4 ? , ???



This list is a summary of notable electric battery types composed of one or more electrochemical cells. Three lists are provided in the table. The primary (non-rechargeable) and secondary (rechargeable) cell lists are lists of battery chemistry.



The article explored the basics of batteries, such as their general components, useful parameters (e.g. voltage, capacity, and energy density), battery chemistries, the differences between disposable and rechargeable battery types, and battery charger ICs and .



Lithium batteries are manufactured as button and coin cell for a specific range of applications (like watches, memory backup, etc.) while larger cylindrical type batteries are also available. The following table shows different types of primary batteries along with their characteristics and applications. Battery Type.