

21700 battery datasheet

21700 battery is one of the most popular and commonly found cells in the battery pack in electric vehicles, battery-powered construction equipment, portable power cutting/ drilling tools, the emergency torch, flashlight, etc. after 18650 battery cells. Here we have listed all the possible technical 21700 battery specifications that can be very useful in executing any technical design of your product or gadgets.

The 21700 battery is a Li-ion battery named after its 21mm x 70mm cylindrical size (diameter x height). When compared to AA size and 18650 type cells, their height and diameter both are larger. They are not replacements for AA or AAA or 18650 size cells.

The 21700 battery type is popular in rechargeable and high current draining devices considering its higher degree of capabilities like 1000+ charge cycle and higher energy density.

With the 21700 Li-ion battery due to its higher energy density and power output, we are able to manufacture and use cordless power tools like portable drill machines, long-range electric vehicles, etc. This was just an imagination a few years back to have portable power tools in the field of utility and construction like cutting and drilling tools etc.

This is to note that other properties such as capacity (mAh), charge-discharge cycle are subjected to independent technologies. All the 21700 specs are listed in the table in detail.

To be more precise, it has an approximate length of 70mm and an approximate diameter is 21mm but technically 21700 cell size is allowed with some tolerance in length and diameter.

The data sheet specification describes the technical parameters and standard tested output of each for the particular component or module. Here we have discussed the 21700 battery datasheet, on paper it's a li-ion rechargeable cell supplied by various electronics manufacturing companies.

There are hundreds of 21700 battery datasheets available belonging to a different models of 21700 batteries, there are lots of different models available varying in current rating and charge holding capacity. Also top manufacturer have their cell model with inbuilt overcharge protection and short circuit protection circuit to prevent damage to the cell as well as device in which it is installed.

From their data sheet you can analyse and study what parameters are to be considered. All these parameters to be kept in mind before, while and after manufacturing, testing and launching the a final product in the market.

Ola Electric has unveiled its indigenous made 4680 battery cell, named the "Bharat" cell, marking a significant leap in India's electric vehicle (EV) technology. Developed entirely in-house,

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the Bharat cell boasts cutting-edge advancements in battery technology and aligns with India's push for self-reliance in the EV sector. Ola's new cells are bigger, provide about five […]

Here is the detailed information on the features, applications, uses, and specifications of this popular and most commonly found dual Mosfet 8205A IC with datasheet. If you are looking for a high current transistor to use in battery protection, load switching, or power management PCB circuit, this Dual MOSFET is designed in a way to […]

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