

# Lithium ion battery data sheet

What are the specifications for lithium ion rechargeable cells?

The specification describes the technology parameters and testing standard for the lithium ion rechargeable cell supplied by TENERGY CORPORATION. Nominal Specifications 1. Nominal Capacity : 2200mAh (0.2Ca, discharge) 2. Minimum Capacity : 2100mAh (0.2Ca, discharge) 3. Nominal Voltage : 3.7V 4.

What is a lithium ion rechargeable battery?

major feature of lithium ion rechargeable batteries. For instance, when driving equipment with an operating voltage range of 3 V to 4 V, if using nickel cadmium rechargeable batteries, three cells must be used connected in series, whereas a single lithium ion rechargea

How many cells are in a lithium ion battery pack?

Fig. 3.4.1.2. Lithium-ion polymer cells Each battery pack consists of 10 cylindrical cells in a plastic case. Tested battery packs had a nominal voltage of 18.5 V (each cell was 3.7 V) and a nominal capacity of 2.6 Ah. The cell chemistry was lithium nickel manganese cobalt oxide (NMC).

What is a lithium ion battery?

Lithium-ion cells are constructed similar to other battery cells, consisting of an anode, a cathode, electrolyte, insulators, terminals, pressure vent and a container sometimes called a 'case' or 'can'. Each cell consists of a cathode and an anode separated by a thin dielectric layer called the 'separator'.

Read and observe the following precautions carefully to ensure the correct use of lithium-ion batteries. Our company is not responsible for any problems arising from violation of the following ...

Sleep Mode : Xantrex Lithium-Ion Phosphate batteries self-discharge at 12.5% State of Charge (SOC) per month during regular use. After 10 consecutive days of inactivity, the battery ...

When Li-ion rechargeable battery is used over the permitted voltage or current, electrolyte may disassemble, and this case will affect safety performance of Li-ion rechargeable ...

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice

This property loss prevention data sheet provides loss prevention guidance for liquid electrolyte-based lithium-ion batteries (cell/module/battery). The guidance covers cell manufacturing, assembly, ...

commercial lithium ion rechargeable battery product. In addition to a high energy density, this battery also offered excellent low-temperature characteristics, load characteristics and cycle ...

24V 180Ah/100Ah Lithium-Ion Batteries The base of the Victron Lithium-Ion Battery System is formed by individual 24V/180Ah Lithium-ion batteries. They have a built-in Cell ...

Data Sheet LISHEN offers high-performance lithium-ion cells based around proprietary POLYMER, LFP,

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NMC chemistry available in cylindrical and prismatic formats. At LISHEN, all source ...

Download the datasheet for a lithium-ion cell battery with 2500mAh capacity, 3.7V nominal voltage, and 50g weight. See the dimensions, specifications, performance, and ...

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The CALCE battery team is open to collaborate with research groups and companies around the world. We provide open access to our experimental test data on lithium-ion batteries, ...

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