



# Lg21700 battery cell main parameters





## Overview

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The document includes essential data points like nominal voltage, maximum discharge current, internal resistance, and operating temperature ranges. Datasheets are primarily used by engineers and technicians for several key purposes.

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The Product Identified in this Product Specification (“Cell” or “Product”) is an industrial component part that is intended to be used ONLY for use in Battery Packs with protective circuitry. FOR ANY REASON. USE OF A CELL OUTSIDE OF A BATTERY PACK CAN CAUSE SEVERE, DISFIGURING BURNS OR INJURIES.

This PDF datasheet is for the LG INR21700 M50LT lithium ion battery. LG Chem INR21700M50LT Cylindrical Rechargeable Lithium Ion Battery Cell 3.69V 18.2Wh (5000mAh) This product specification defines the requirements of the rechargeable lithium ion battery to be supplied to the Customer by LG Chem.

Get everything you need for the lithium-ion battery cell LG Energy Solution INR21700-M50LT: Extensive measurement data in the total operation regime, a high-precision, physical battery model with global validity, and a teardown report that contains all details about materials and microstructures.

LG INR 21700 M50 has an NMC 811 formulation for the cathode and a Graphite-SiO<sub>x</sub> anode. It is in the 21700 cylindrical format. The diameter is given based on largest measurement at the top of the cell (Section A) Reference 1 has many continuous discharge curves for this cell from 0.2A up to 20A.

The Voltt is our cell selection and simulation platform that cuts the time to identify the right battery for your programme by up to 70%. Start exploring advanced battery data and models with a 14-day free trial of The Voltt to make faster, more confident design decisions with trusted data Explore.

1.1 Scope This product specification defines the requirements of the rechargeable



lithium ion battery to be supplied to Promotion by LG Chem. All conditions and criteria written in this document are defined and resulted from fresh cell (ex-factory) state. \*\* If you intend to apply this battery cell.



## Lg21700 battery cell main parameters

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### LG INR 21700 M50

Chang-Hui Chen et al [7] used this cell to develop the cell teardown, analysis techniques and subsequent mathematical models. The table below comes from this paper and ...

### [LG 21700 Battery Cell vs Standard Battery Cell - Reletech AI Vision](#)

The issue lies not in the casing, but in the cell's internal resistance, voltage plateau, and the thermal control capabilities of its Battery Management System (BMS). The LG ...



### [LG Energy Solution INR21700-M50LT Battery ...](#)

LG Energy Solution INR21700-M50LT Model The Batemo Cell Model of the lithium-ion battery cell LG Energy Solution INR21700-M50LT is a high ...



### [LG INR21700M50LT rechargeable li-ion battery ...](#)

This datasheet provides all the information from LG Chem about the INR21700 M50LT li-ion battery, as detailed in the table of contents. ...



### [LG Chem INR21700-M50T Battery Data, Model ...](#)

LG Chem INR21700-M50T Get everything you need for the lithium-ion battery cell LG Chem INR21700-M50T: Extensive measurement data in ...

### [LG Energy Solution INR21700-M50LT Battery Data, Model and ...](#)

Get everything you need for the lithium-ion battery cell LG Energy Solution INR21700-M50LT: Extensive measurement data in the total operation regime, a high ...



### [LG 21700 EBike Battery Pack 36V 48V 52V 19.2Ah ...](#)

Upgrade your electric bike or electric scooter's power source with the LG 21700 lithium battery pack, which offers a combination of high ...



## [LG Chem INR21700-M50L Battery Data, Model ...](#)

LG Chem INR21700-M50L Get everything you need for the lithium-ion battery cell LG Chem INR21700-M50L: Extensive measurement data in the total ...



## Lg 21700 Datasheet

Interested in learning more about the specific parameters and characteristics of the Lg 21700 battery? Refer to the official Lg 21700 Datasheet, provided by the manufacturer for ...

## LG INR21700 M50

The newest 21700 cell on the market and the most high capacity cells so far in the new format. Surpassing Samsung 48G with 200mah and testing confirms they are a whopping ...



## [PRODUCT SPECIFICATION](#)

1.1 Scope This product specification defines the requirements of the rechargeable lithium ion battery to be supplied to Promotion by LG Chem. All conditions and criteria written in this ...



## Lg21700 battery cell main parameters

What is a 21700 battery? A 21700 battery is a type of rechargeable lithium-ion battery cell. It is one of the most popular and commonly found cells in various applications, including electric ...



## PRODUCT SPECIFICATION

This Product Specification (this "Document") defines the requirements of the rechargeable lithium ion battery cell (the "Cell") to be supplied by LG Energy Solution, Ltd ("LG Energy Solution").



## **LG INR21700M50LT**

This 21700 battery cell, manufactured by LG, a leader in battery technology, offers a higher energy capacity and efficiency in a compact form. The LG ...



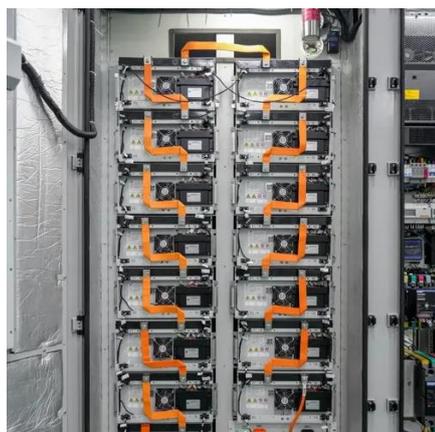
## Thermal-electrochemical parameters of a high energy lithium-ion

Significant improvements in battery technology have been made, including reducing cost and increasing energy density [3]. However, improving battery performance has an ...



## PRODUCT SPECIFICATION

This Product Specification (this "Document") defines the requirements of the rechargeable lithium ion battery cell (the "Cell") to be supplied to Robert Bosch GmbH and etc. by LG Energy ...



### 5000mAh to 5300mAh---6% Performance Boost! LG Energy ...

LG Energy will supply 21700 battery cells for Tesla's new Model Y, with a battery capacity of 5300mAh, a 6% increase over the previous 5000mAh. This improvement will ...

### Lg21700 battery cell main parameters

A 21700 battery is a type of rechargeable lithium-ion battery cell. It is one of the most popular and commonly found cells in various applications, including electric vehicles, battery-powered ...



### LG Chem INR21700-M48 Battery Data, Model and Report

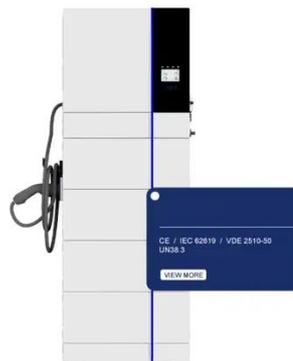
LG Chem INR21700-M48 Get everything you need for the lithium-ion battery cell LG Chem INR21700-M48: Extensive measurement data in the total operation regime, a high-precision, ...





## PRODUCT SPECIFICATION

The battery must be away from children or pets  
When cell life span shortens after long usage,  
please exchange to new cells. Do insulate  
between the metal plate and cell or other ...



## LG INR21700M50LT rechargeable li-ion battery Datasheet

This datasheet provides all the information from LG Chem about the INR21700 M50LT li-ion battery, as detailed in the table of contents. Reading it completely will address most questions ...



## 3.63V-4850mAh-18.20Wh-LG-M50-21700 Battery

3.63V-4850mAh-18.20Wh-LG-M50-21700 Battery  
LG21700 Battery-- (LGM50 2170 3.63V ) The LG  
21700M50 battery comes up with a nominal  
capacity of 4850mAh, the voltage of 3.63V and ...



## LG Chem M50 lithium-ion battery cell datasheet ...

Dive into the technical specifications of the battery and explore detailed data sheets and models. Unlock valuable insights for your projects and make ...





## [Illustration of the tear-down method used to extract ...](#)

Download scientific diagram , Illustration of the tear-down method used to extract electrodes from an LG 21700 cylindrical cell. from publication: ...





## Contact Us

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