



Lithium iron phosphate Battery Storage System  
Long life  $\text{LiFePO}_4$  & more safety

**LISHEN**

LITHIUM BATTERY CELLS

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LISHEN offers high-performance lithium-ion cells based around proprietary POLYMER, LFP, NMC chemistry available in cylindrical and prismatic formats. At LISHEN, all source raw materials are in accordance with international standards and practices, as well as some of LISHEN own standards to secure a supply chain free from corruption of people or planet.

## **High safety**

- The cells have passed UL, IEC and other international certifications.
- Cell safety tested
- Lithium iron phosphate (LFP) chemistry for maximum safety and longevity

## **Strong environmental adaptability**

Can be discharged in -20°C~55°C environment

## **Good storage performance**

25°C storage for 28 days, capacity recovery rate  $\geq 95\%$ ;

## **Long warranty**

## **100% process traceability**

Empowering each battery cell;

## **100% automated production**

High precision, high efficiency, to ensure the consistency of the battery cells

# Data Sheet

## LR2170SA

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|   |                          |
|---|--------------------------|
| MODEL NUMBER                                  | LR2170SA                 |
| Cell Chemical                                 | NCM                      |
| Nominal Voltage                               | 3.65V                    |
| Rated Capacity                                | 4200mAh                  |
| Internal Resistance                           | $\leq 0.5\text{m}\Omega$ |
| Standard charge and discharge current         | 0.5C/0.5C                |
| Standard charge and discharge cut-off voltage | 4.2V/2.75V               |
| Max.charge and discharge current(Continuous)  | 1.0C/1.0C                |
| Recommended SOC usage range                   | 10%-90%                  |
| Charge operating temperature                  | 0°C~45°C                 |
| Discharge operating temperature               | -20°C~40°C               |
| Storage temperature                           | -20°C~50°C               |
| Dimensions D×H (mm)                           | 21.7×70.9                |
| Weight(kg)                                    | 69                       |

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