

## High Power Lithium-Ion Cell

# LP2770134-20 Ah

### 1. Scope

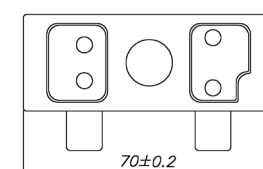
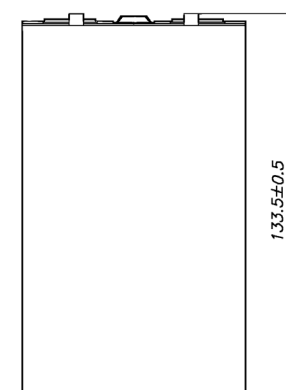
LISHEN High Power Cells are 100% automatically manufactured and produced under the strict quality control to ensure long life, secure usage and very high performance. To be able to combine cells in systems, our products are automatically sorted under the strongest restrictions to optimise performance of cell blocks and systems as well as to reduce cost for electronic balancing systems.

### 2. Application

LISHEN High Power Cells find their applications in all kind of mobile transport application, such as fork lifts, e-scooters, e-cars, e-busses as well as storage applications for small and high volume storage systems.

### 3. Specifications

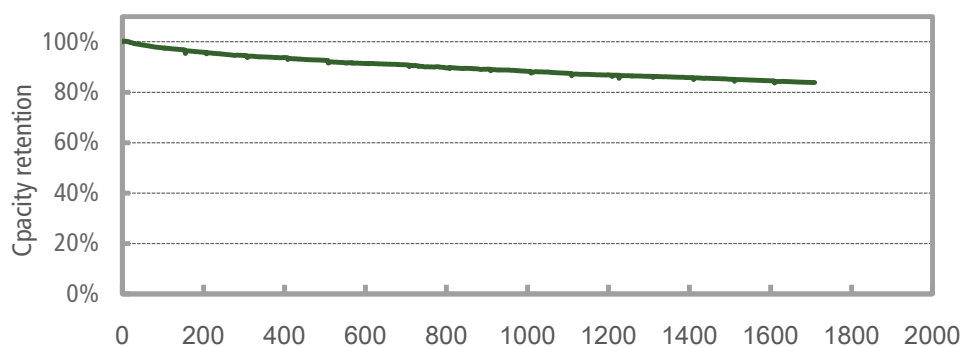
Item	Specification
Nominal Capacity	20 Ah
Average working Voltage	3.2 V
AC-Impedance	$\leq 6 \text{ m}\Omega$
<b>charge</b>	
- Standard Charge Method	CC/CV
- Current	1/3C
- Voltage	3.65 V
- End Current	1 A
- Maximum Charge Current	2 C, 3 C (10 s)
<b>discharge</b>	
- Standard Discharge Method	Constant Current
- Current	1 C
- End Voltage	2.0 V
- Maximum Discharge Current	3 C, 4 C (30 s)
Size	27 mm x 70 mm x 134 mm
Cycle life	2.000 cycles at 80% DoD 3.000 cycles at 70% DoD
Weight of Cell	513 $\pm$ 8 g
Max Operating Temperature Range	-20°C ~ +60°C
Storage Temperature	-40°C ~ +45°C



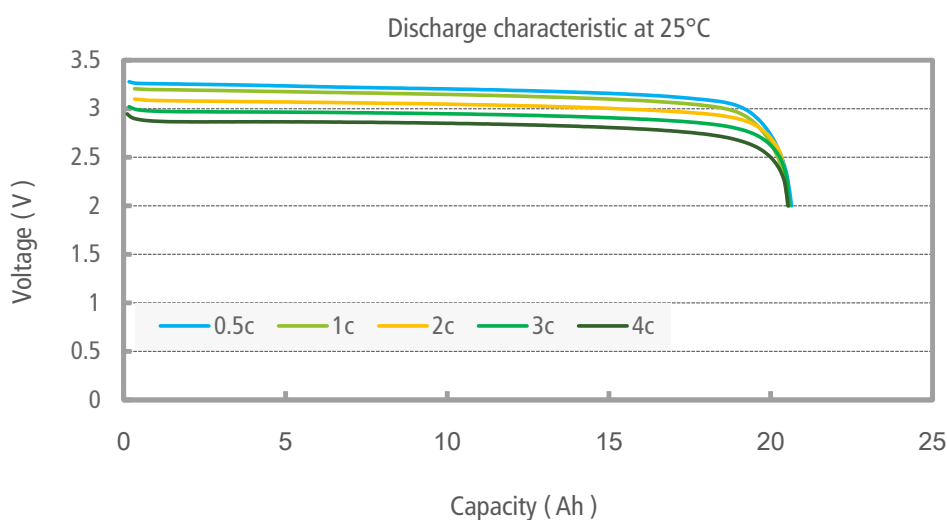
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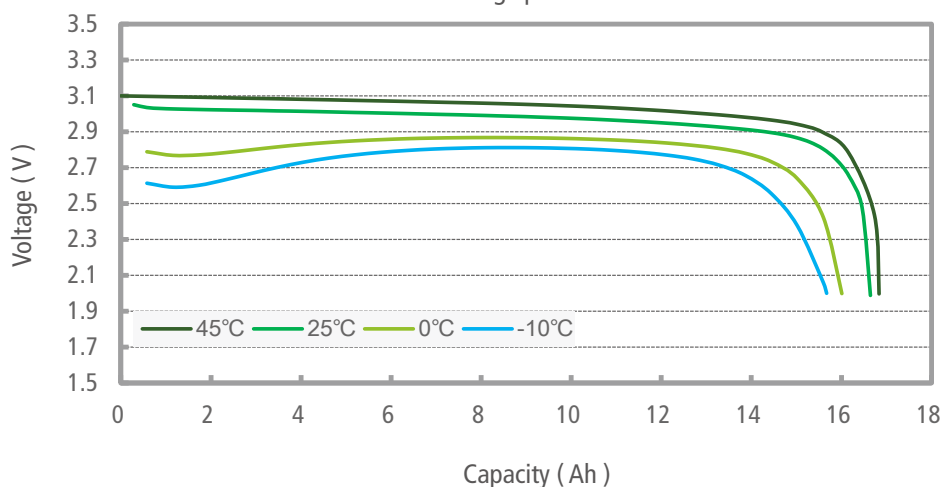
Cycle life



Discharge characteristic at 25°C



2C discharge performance



## Applications

### COMMERCIAL SOLUTIONS

- UPS Datacenter
- Telecom and IT backup
- Industrial material handling equipment

### GOVERNMENT SOLUTIONS

- Military vehicles
- Military power grids
- GRID SOLUTIONS
- Frequency regulation
- Renewables storage integration
- Reserve capacity

### TRANSPORTATION SOLUTIONS

Hybrid, plug-in hybrid and electric vehicle battery systems for:

- Commercial vehicles
- Off-highway vehicles
- Passenger vehicles

This document represents typical data. Performance may vary depending on use conditions and application.

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