

High Power Lithium-Ion Cell

LP2770120AC-16.5 Ah

1. Scope

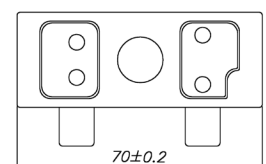
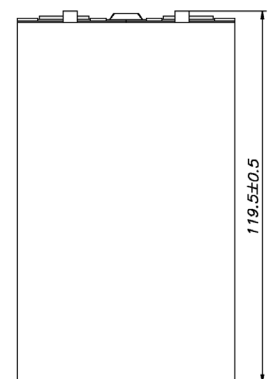
LISHEN High Power Cells are 100% automatically manufactured and produced under the strict quality control to ensure long life, secure usage and very high performance. To be able to combine cells in systems, our products are automatically sorted under the strongest restrictions to optimise performance 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. General Specifications

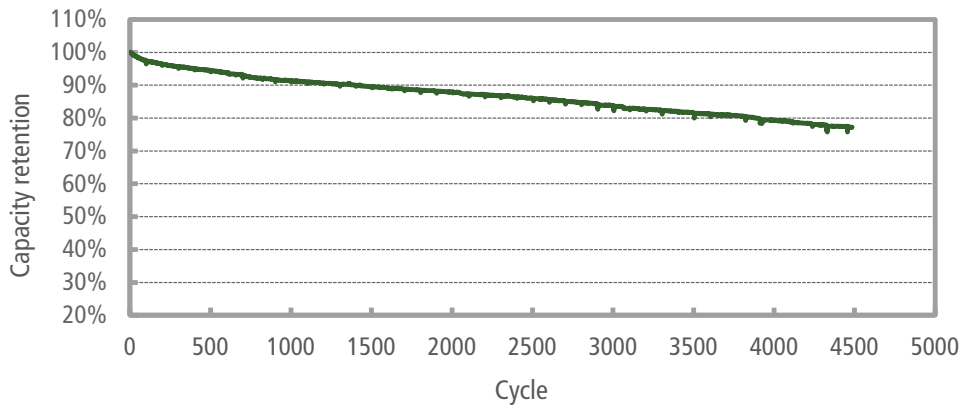
Item	Specification
Nominal Capacity	16.5 Ah
Nominal Voltage	3.2 V
AC-impedance	$\leq 8 \text{ m}\Omega$
charge	
- Standard Charge Method	CC/CV
- Current	1/3 C
- Voltage	3.65 V
- End Current	825 mA
- Maximum charge current	2 C, 4 C (10 s)
discharge	
- Standard Discharge Method	Constant Current
- Current	1 C
- End Voltage	2.0 V
- Maximum Discharge Current	4 C, 6 C (30 s)
Size	27 mm x 70 mm x 120 mm
Cycle Life	2.000 cycles at 80% DoD 3.000 cycles at 70% DoD
Weight	454 \pm 8 g
Max Operating Temperature Range	-20°C ~ 60°C
Storage Temperature	-40°C ~ 45°C



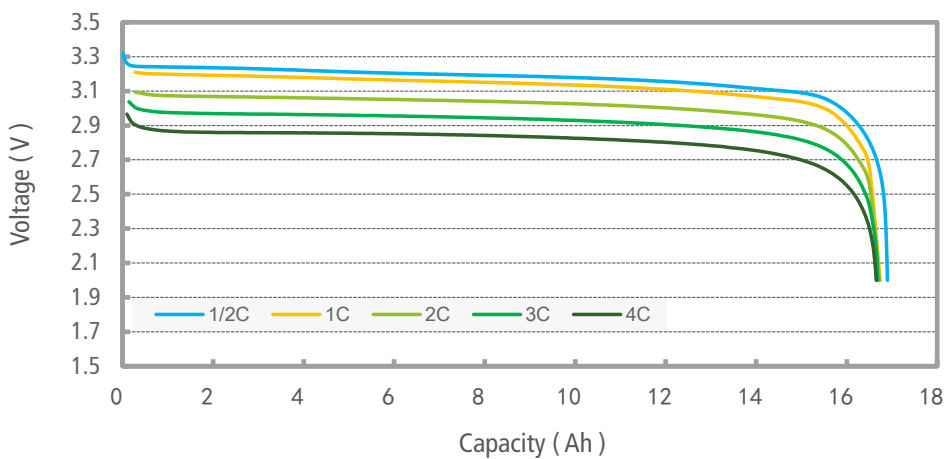
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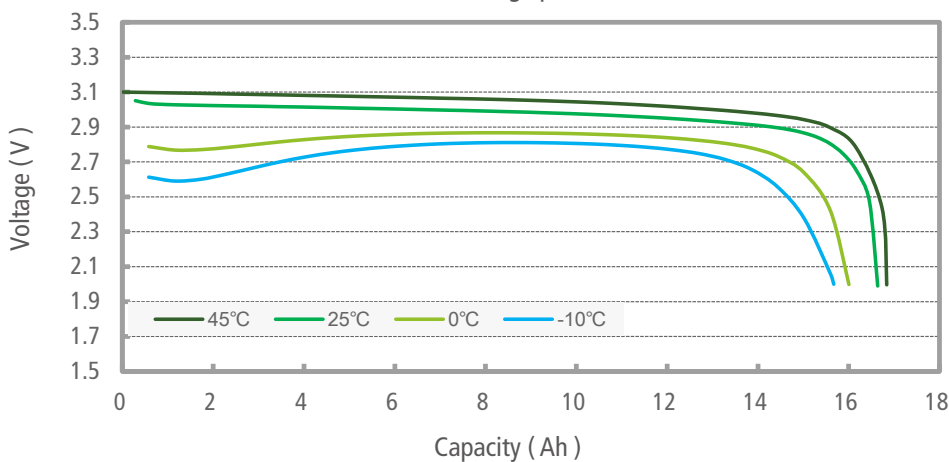
Cycle Life @RT 1C Charge And Discharge



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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