

1. Scope

The product specification describes the requirement of the Prismatic Lithium Ion Power Cell to be supplied to the customer by Tianjin Lishen Battery Joint-Stock Co.,Ltd.. If there is any additional information required by the customer, customers are advised to contact Tianjin Lishen Battery Joint-Stock Co., Ltd.

2. General Specifications

2.1 Abbreviation Definitions

C_3 —— the rated capacity (in ampere-hours) of the cell for a three-hour discharge.

I_3 —— a current corresponding to the manufacturer's rated capacity (in ampere-hours) for a three-hour discharge.

$$I_3 = C_3(\text{Ah}) / 3\text{h}$$

In the following specification $3 I_3 (\text{A}) = 13.5\text{A}$.

2.2 Specification

	Item	Specification
1	Cell Type	Lithium -ion power cell
2	Cell Model	LP2770102
3	Nominal Capacity☆	11Ah
4	Average Working Voltage☆	3.2V (Discharge at $1I_3$ A)
5	AC-impedance☆	$\leq 8\text{m}\Omega$
6	Weight	$377 \pm 6\text{g}$
7	Maximum Charge Current	$6I_3$ (Continuous) $12 I_3(10\text{s})$
8	Charging End Voltage	3.65V
9	Maximum Discharge Current	$12I_3$ (Continuous) $18I_3(30\text{s})$
10	Discharge End Voltage	2.0V
11	Max Operating Temperature Range	

	Charge	0°C ~ 45°C
	Discharge	-20°C ~ 60°C
12	Optimal Operating Temperature Range	