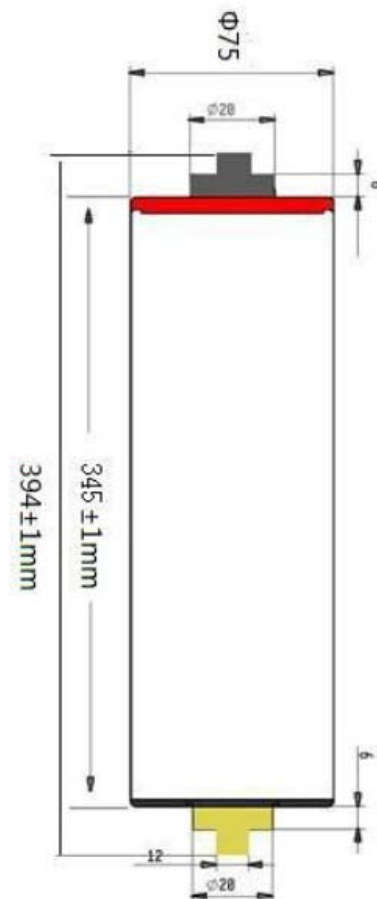


Basic Specifications

Capacity	100 Ah@0.2C Discharge	
Voltage	3.2V	
Standard charge current	0.2C	
Rapid charge current	1C	
Standard Charging method	0.2C CC(constant current) charge to 3.65V then CV(constant voltage 3.65V) charge till charge current decline to 0.05C	
Charging time	Standard charge: 5 hours (Ref.) Rapid charge: 1 hours (Ref.)	
Max. charge current(safe)	1C	
Max. discharge current(safe)	2C continuous, 5C(10S) pulse	
Discharge cut-off voltage	2.0V±0.15V	
Charge voltage	DC 3.65V	
Cycle life(0.2C discharge)	≥ 2000 cycles(80%DOD)	
Initial Impedance	≤ 3mΩ	
Battery Weight	Approx. 3.15KG	
Working	Charging	-20°C ~ +45°C
	Discharging	-20°C ~ +55°C
Storage Temperature	-20°C ~ +45°C	
Dimension	Diameter	75.0 ±0.5mm
	Length	345 ± 1 mm

Dimensions :



Notice

Charging current should be less than the maximum charge current specified in the Product Specification. Charging with higher current instead of the recommended value may cause damage to Battery electrical, mechanical, and safety performance and could lead to heat generation or leakage.

Charging shall be done by voltage less than the value specified in the Product Specification (3.65V/Battery). Charging over 3.85V, which is the absolute maximum voltage, is strictly prohibited. The charger shall be designed to comply with this condition.

It is very dangerous that charging with higher voltage than maximum voltage which may cause damage to the battery electrical, mechanical safety performance and could lead to heat generation or leakage.

It should be noted that the Battery might be at an over-discharged state because of its self-discharge property when the Battery is not long use. In order to prevent over-discharging, the Battery shall be charged periodically to maintain its voltage between 3.2V and 3.4V.

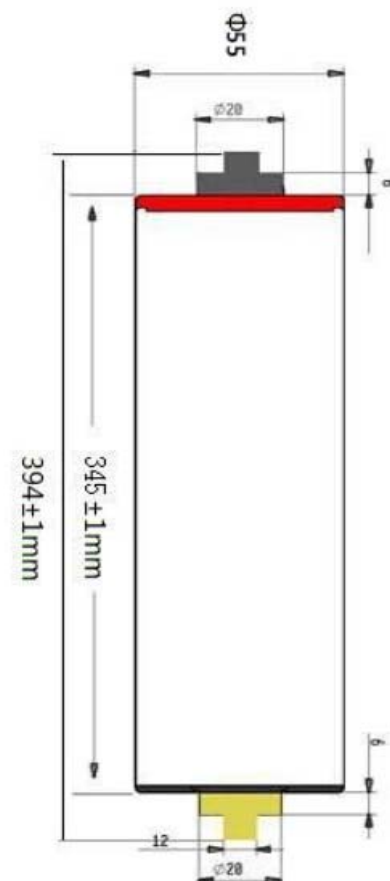
The Battery/battery pack shall be equipped with a BMS/PCM that can protect Battery pack properly. BMS/PCM shall have functions of (1) overcharging prevention, (2) over-discharging prevention, (3) over current prevention to maintain safety and prevent great damages to battery performance. The over current can occur by external short circuit

Manufacturer reserves the right to alter or amend the approval sheet without the prior notice

Basic Specifications

Capacity	50 Ah@0.2C Discharge	
Voltage	3.2V	
Standard charge current	0.2C	
Rapid charge current	2C	
Standard Charging method	0.2C CC(constant current) charge to 3.65V then CV(constant voltage 3.65V) charge till charge current decline to $\leq 0.05C$	
Charging time	Standard charge: 5 hours (Ref.) Rapid charge:0.5 hours (Ref.)	
Max. charge current(safe)	1C	
Max. discharge current(safe)	3 C continuous, 10C(10S) pulse	
Discharge cut-off voltage	2.0V \pm 0.15V	
Charge voltage	DC 3.65V	
Cycle life(0.2C discharge)	≥ 2000 cycles(80%DOD)	
Initial Impedance	$\leq 3m\Omega$	
Battery Weight	Approx. 1.65KG	
Working	Charging	0°C ~ +45°C
	Discharging	-20°C ~ +55°C
Storage Temperature	-20°C ~ +45°C	
Dimension	Diameter	55.0 \pm 0.5mm
	Length	345 \pm 1 mm

Dimensions :



Notice

Charging current should be less than the maximum charge current specified in the Product Specification. Charging with higher current instead of the recommended value may cause damage to Battery electrical, mechanical, and safety performance and could lead to heat generation or leakage.

Charging shall be done by voltage less than the value specified in the Product Specification (3.65V/Battery). Charging over 3.85V, which is the absolute maximum voltage, is strictly prohibited. The charger shall be designed to comply with this condition.

It is very dangerous that charging with higher voltage than maximum voltage which may cause damage to the battery electrical, mechanical safety performance and could lead to heat generation or leakage.

It should be noted that the Battery might be at an over-discharged state because of its self-discharge property when the Battery is not long use. In order to prevent over-discharging, the Battery shall be charged periodically to maintain its voltage between 3.2V and 3.4V.

The Battery/battery pack shall be equipped with a BMS/PCM that can protect Battery pack properly. BMS/PCM shall have functions of (1) overcharging prevention, (2) over-discharging prevention, (3) over current prevention to maintain safety and prevent great damages to battery performance. The over current can occur by external short circuit

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