

Double Capacity Battery Tech Sheet



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Item	Specifications	Conditions	
Nominal Voltage	7.2±0.05V	0.2C Discharge	
Charging	Method	CC-CV	
	Voltage	4.20±0.05V	
Typ. Capacity	3.200 mAh	0.2C(500mA), CC to 2.5V	
Minimum Capacity	3.100 mAh		
Internal Impedance	≤40mΩ	AC 1kHz	
Standard Charge Current	1.550 mA (0.5C)	0.5C(1550mA), CC-CV to 4.2V, 50mA cut off	
Standard Discharge Current	620 mA (0.2C)	0.2C(500mA), CC to 2.5V	
Max. Charge Current	3.100 mA (1.0C)	1.0C	
Max. Continuous Discharge Current	9.300 mA (3.0C)	3.0C	
Operating Temperature (Charge)	Temperature	Max. Continuous Charge Current	
	0°C ≤ T ≤ 15°C	0.2C(620mA)	
	15°C <T ≤ 30 °C	0.5C(1550mA)	
	30°C <T ≤ 50°C	1.0C(3100mA)	
Operating Temperature (Discharge)	Temperature	Max. Continuous Discharge Current	
	-30°C ≤ T ≤0°C	0.2C(620mA)	
	0°C <T ≤ 10°C	0.5C(1550mA)	
	10°C <T ≤ 45°C	3.0C(9300mA)	
	45°C < T ≤ 60°C	1.0C(3100mA)	
Storage Temperature	Storage	Less than 1 year: -20~25°C	
		less than 3 months: -20~45°C	
Weight	46 gr	approximately	
Cycles Test	Charge with the constant current of 0.5C and constant voltage of 4.2V, cut off at 0.02C(62mA), and rest for 10min; discharge with 0.5C(1550mA) and cut off at 2.75V, and rest for 20min. Repeat cycling till discharge capacity in 2successive cycles is lower than 70% of the initial capacity		≥ 500 Cycles
	Charge with the constant current of 0.3C and constant voltage of 4.2V, cut off at 155mA, and rest for 10min; discharge with 1C(3100mA) and cut-off at3.0V, and rest for 20min. Repeat cycling till discharge capacity in 2 successive cycles is lower than 70% of the initial capacity.		≥ 1000 Cycles



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