Specifications of NCR2170M (Tentative)

Under development

Confidential

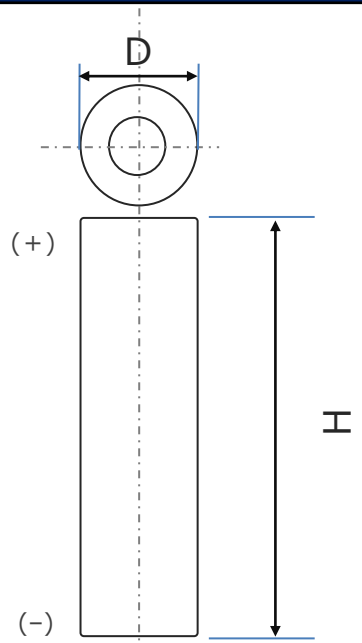
Target of cycle performance: 1000cycle 80%

(Estimated cell test result by 0.5C-4.2V / 1C-2.85V at 25deg.C)

Specifications*

Rated capacity(1)		4920mAh (TBD)
Capacity(2)	Minimum	5020mAh (TBD)
	Typical	5220mAh (TBD)
Energy	Typical	18.8Wh
Nominal voltage		3.6V
End Voltage		2.50V
Charging	Method	CC-CV
	Voltage	4.20V(4)
	Current	Max. 2510mA
	Cut off	100mA
Max. Continuous Discharge Current(3)		10~12A(TBD)
Weight (Typ.) (w/o tube)		70g (TBD)
Temperature	Charge	0 to +45℃
	Discharge	-20 to +60℃
	Storage	-30 to +60℃

Dimensions(5)



When designing a pack, refer to the cell's mechanical drawing for precise dimensions.

Without tube	H	Max.70.15mm
	D	Max.21.10mm

Development schedule

・Sample shipment: TBD

・MP start: CY21 2Q or later (TBD)

*There may be minor change,
cell target performance of all design is same level.

(1) At 20℃, (2) At 25℃, (3)60% after 300cycles at 25℃(actual),
(4) Need to reduce charge voltage to 4.15 or 4.10V(TBD) by SOH70%. (5) Tubeless model