

## General technical data

Nominal voltage	1.5	V
Typical operating voltage $V_{op}$ <sup>1)</sup>	0 ... 1.6	V
Maximum charge voltage <sup>1)</sup>	1.8	V
Nominal capacity <sup>2)</sup>	100	μAh
Nominal discharge current	20	μA
Operating temperature	-20 ... +80	°C

1) It is recommended to operate below 1.6 V. In case cycle lifetime degradation is acceptable, it is also possible to charge up to 1.8 V.

2) At ambient condition 25 °C and relative humidity less than 60 %

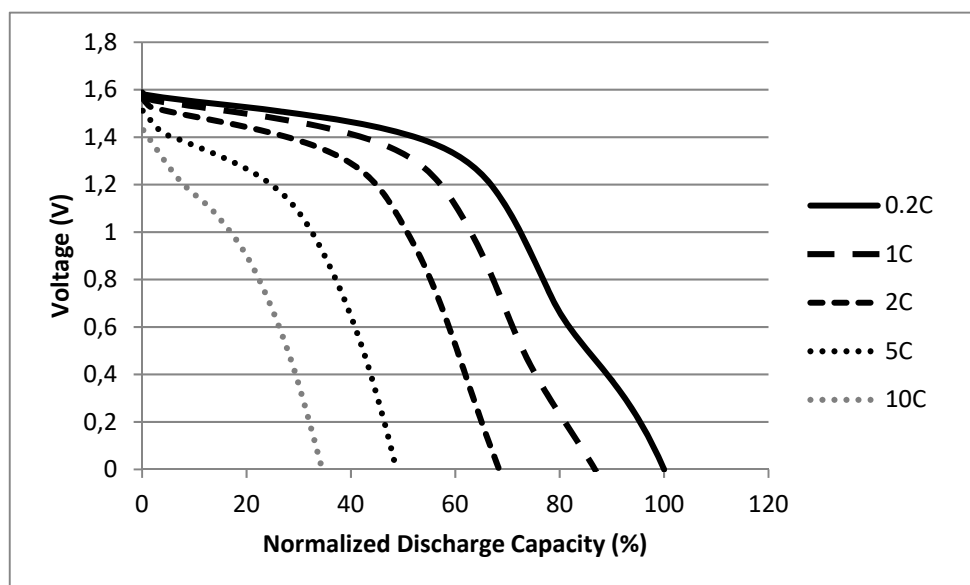
## Recommended charge profile

- Constant current charge: setting current in range 10 μA up to 50 μA with end voltage 1.6 V.
- Constant voltage charge: setting voltage to 1.6 V with limited current under 200 μA, end current below 10 μA.
- Constant current charge / constant voltage charge: For constant current charge set current in range 10 μA up to 50 μA with end voltage 1.6 V; for constant voltage charge set voltage to 1.6 V with end current below 10 μA.

### Typical discharge characteristic

( $T_A = 25\text{ }^\circ\text{C}$ , constant voltage charge with 1.6 V for 3 h)

Constant current discharge with 20  $\mu\text{A}$  (0.2C), 100  $\mu\text{A}$  (1C), 200  $\mu\text{A}$  (2C), 500  $\mu\text{A}$  (5C), 1000  $\mu\text{A}$  (10C) to 0 V



### Typical temperature characteristic

( $T_A = -20\text{ }^\circ\text{C}$ ,  $0\text{ }^\circ\text{C}$ ,  $25\text{ }^\circ\text{C}$ , and  $80\text{ }^\circ\text{C}$ , constant voltage charge with 1.6 V for 3 h)

Constant current discharge with 20  $\mu\text{A}$  to 0 V

