

General technical data

Nominal voltage	1.5	V
Typical operating voltage $V_{op}^{1)}$	0 ... 1.6	V
Maximum charge voltage $^{1)}$	1.8	V
Nominal capacity $^{2)}$	100	μ Ah
Nominal discharge current	20	μ A
Operating temperature	-20 ... +80	$^{\circ}$ 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 $^{\circ}$ C and relative humidity less than 60 %

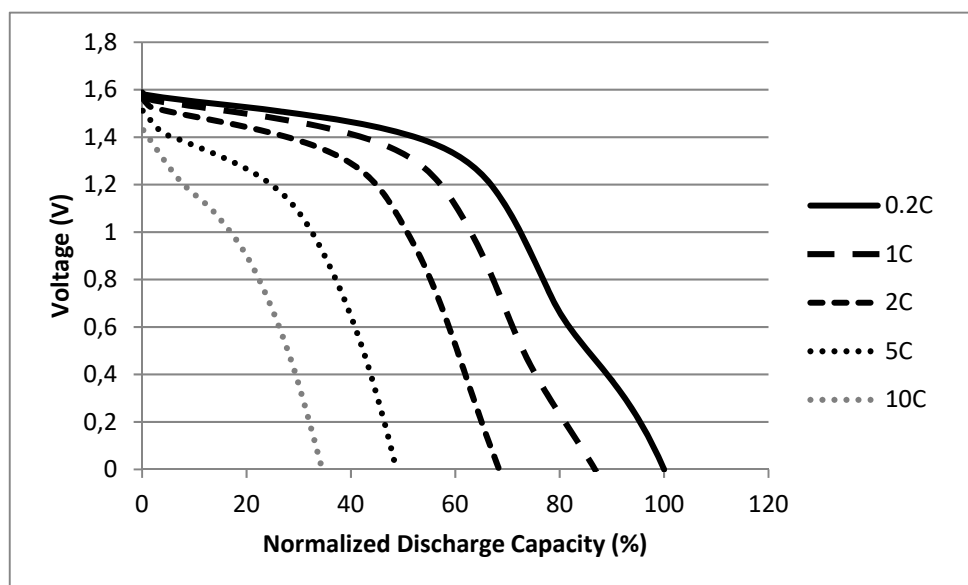
Recommended charge profile

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

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 μA (0.2C), 100 μA (1C), 200 μA (2C), 500 μA (5C), 1000 μA (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 μA to 0 V

