cell type: Li-Ion
cell size: 16340
built-in cell: round cell 850mAh

nominal voltage: 3.6 V

capacity
nominal: 850 mAh discharge at 0.2C
minimum: 830 mAh discharge at 0.2C
780 mAh discharge at 1C
ta: 20°C; EV(Discharge End Voltage): 2.75V

discharge
max. continuous discharge current: 1700 mA ta: 0...45°C

discharge end voltage: ≥ 2.75 V (recommended)

important: avoid cell temperature above 60°C

Conditions

external charge (at +/- poles)
charging method: CC - CV (Constant Current - Constant Voltage)
charge current: 170 mA at standard charge
max. charge current: 850 mA at fast charge
charge end voltage: 4.2 V ± 50mV
charge cut off by time: 8 h at standard charge
1.5...2.0 h at fast charge
by current drop: 17 mA end current - cut off

internal resistance: ≤ 150 mΩ at 1kHz, sine wave measurement according to IEC 896-2

energy: 3.06 Wh

protection functions
overcharge cut off voltage: 4.27 V ± 0.05V
deep disch.cut off voltage: 2.4 V ± 0.1V
overload cut off current: 3.0 A ± 1A

life time expectancy
(C>70% of min. capacity) ≥ 300 cycles at 0.5C charge/discharge rate

self discharge:
≤ 2 %/month at 20°C
≤ 5 %/month at 30°C
≤ 10 %/month at 40°C

ambient temperature range:
0...45 °C charge
- 20...60 °C discharge
- 20...25 °C storage max. 1year
- 20...45 °C storage max. 3months

recommended SOC:
(SOC = state of charge)
30...50 % for long-time storage

self discharge:

mechanical specifications
cell dimensions (incl. sleeve)
diameter d1: 17.0 - 1 mm
max. 9.6 mm
height h1: 35.5 - 1 mm
height h2: min. 1 mm
weight: 19 ± 1.5 g

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.