



THE DATASHEET OF
1307-0002-XX



cell type: Li-Ion
cell size: 18650
built-in cell: LG INR18650M26

Conditions

nominal voltage: 3.6 V

capacity

nominal: 2600 mAh discharge at 0.2C
 minimum: 2500 mAh discharge at 0.2C
 2350 mAh discharge at 1C
 ta: 20°C; EV(Discharge End Voltage): 2.5V

discharge

max. continuous discharge current: 10 A ta: 0...45°C
important: avoid cell temperature above 60°C
 discharge end voltage: ≥ 2.75 V (recommended)

external charge (at +/- poles)

charging method: CC - CV (Constant Current - Constant Voltage)

charge current: 500 mA at standard charge
 max. charge current: 2500 mA at fast charge

charge end voltage: 4.2 V ± 0.05V

charge cut off

by time: 6 h at standard charge
 1.6...1.8 h at fast charge
 by current drop: 50 mA (0.02C) end current cut-off

charge via type-C connector (with USB charger)

supply voltage: 5 V ± 0.25V
 charge current limitation: 1200 mA ± 0.15A
 charge time: approx. 3 h at 1.2A charge

internal resistance: ≤ 80 mΩ at 1kHz, sine wave measurement according to IEC 896-2

energy: 9.36 Wh

protection functions

overcharge cut off voltage: 4.275 V ± 0.075V
 deep disch.cut off voltage: 2.5 V ± 0.2V
 overload cut off current: 16 A ± 4A

LED charge indicator

(w. type-C charge) lights red during charge
 lights green end of charge; battery fully charged

life time expectance

(C>70% of min. capacity) ≥ 500 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. 1month

recommended SOC:

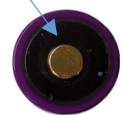
(SOC = state of charge) 30...50 % for long-time storage

mechanical specifications

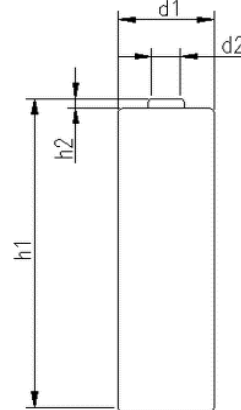
cell dimensions (incl. sleeve)

diameter d1: 18.4 ± 0.3 mm
 diameter d2: 6.5 ± 0.5 mm
 height h1: 70.2 ± 0.3 mm
 height h2: 0.8 ± 0.3 mm
 weight: 46 ± 3 g

LED charge indicator



type-C socket



ANSMANN Specifications for model:	Protected 18650 Li-Ion Battery 3.6V 2600mAh w. Type-C Charge
data sheet no. / part no.	
s.n	704507
author / date	TG / 12.10.2023

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