

cell chemistry:

Li-Ion

cell size:

AA (14500)

cell type:

round cell

Conditions**nominal output voltage:** 1.5 V

when SOC (state of charge) of battery is >10%

reduced output voltage: 1.05 V

when SOC (state of charge) of battery is <10%

capacity

nominal: 2000 mAh

discharge at 0.2C

minimum: 1800 mAh

discharge at 0.2C

1700 mAh

discharge at 0.5C

ta: 20°C; EV(Discharge End Voltage): 0.9V

discharge

ta: 0...45°C

max. continuous

discharge current: 2000 mA

nom. discharge current: 400 mA

charge via type-C connector (with USB charger)

supply voltage: 5 V ± 0.25V

charge current: 350 mA ± 10%

charge time: 3 h ± 0.5h

external charge (at battery + / - poles)

is not allowed; charge battery via type-C connector only

internal resistance: n/a

at 1kHz, sine wave measurement
according to IEC 896-2**built-in li-ion battery:** 3.7 V / 920mAh

energy: 3.4 Wh

output protection functions

overload cut-off current: 2.5 A ± 0.5A

deep discharge protection function

cut-off voltage of int. battery: 2.6 V ± 0.3V

LED charge indicator

visible at the type-C socket

flashes red

during charge

lights red

at end of charge (battery fully charged)

life time expectance

(C>70% of min. capacity) ≥ 1200 cycles at 0.2C 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:

30...50 %

for long-time storage

(SOC = state of charge)

mechanical specifications

cell dimensions (incl. sleeve)

diameter d1: 14.2 - 0.5 mm

diameter d2: 5.0 - 1 mm

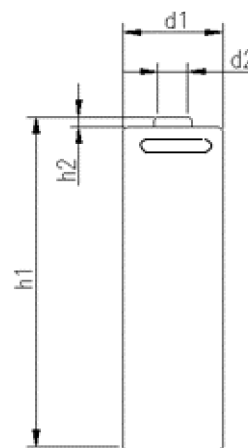
height h1: 50.5 - 1 mm

height h2: 1.5 ± 0.5 mm

weight: 19 ± 1 g



LED red



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**ANSMANN Specifications for model:**

data sheet no. / part no.

AA (14500) Li-Ion Battery
1.5V 2000mAh w. type-C charge

s.n.

1312-0036

author / date

705163

TG / 24.07.2023

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