

cell chemistry:

Li-Ion

cell size:

C (26500)

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: 2500 mAh

discharge at 0.2C

minimum: 2300 mAh

discharge at 0.2C

2100 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: 500 mA

charge via type-C connector (with USB charger)

supply voltage: 5 V ± 0.25V

charge current: 500 mA ± 10%

charge time: 2.75 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 / 1100mAh

energy: 4.07 Wh

output protection functions

overload cut off current: 2.5 A

protection against short circuit and overload
± 0.5A**deep discharge protection**

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

LED charge indicator

visible on the opposite side of 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)

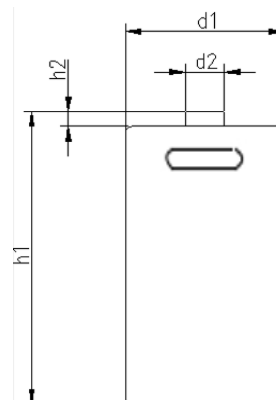
diameter d1: 25.5 - 0.5 mm

diameter d2: 7.0 ± 0.5 mm

height h1: 49.5 ± 1 mm

height h2: 1.5 ± 0.5 mm

weight: 37 ± 2 g



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**ANSMANN Specifications for model:**

data sheet no. / part no.

C (26500) Li-Ion Battery
1.5V 2500mAh w. type-C charge

1313-0004

s.n.

705163

author / date

TG / 20.07.2023