

cell chemistry: Li-Ion
cell size: 9V E-Block
cell type: pouch pack (lithium polymer)

Conditions

nominal output voltage: 9.0 V

capacity

nominal: 400 mAh discharge at 0.2C
 minimum: 340 mAh discharge at 0.2C
 300 mAh discharge at 0.5C
 ta: 20°C; EV(Discharge End Voltage): 5.4V

discharge

max. continuous discharge current: 300 mA
 nom. discharge current: 80 mA
 ta: 0....45°C

charge via type-C connector (with USB charger)

supply voltage: 5 V $\pm 0.25V$
 charge current: 450 mA $\pm 10\%$
 charge time: 2.5 h $\pm 0.25h$

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

output protection function:

cut-off current: 2 A $\pm 0.5A$ short-circuit cut-off

deep discharge protection function

cut-off voltage of int. battery: 2.6 V $\pm 0.3V$

LED charge indicator

visible next to the type-C socket

lights red during charge
 lights green at end of charge (battery fully charged)

built-in li-ion battery:

energy: 3.7 V / 1000mAh

life time expectance

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

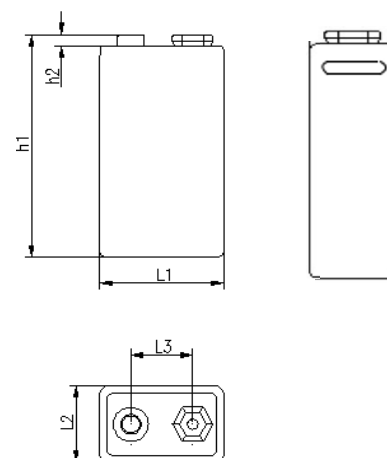
recommended SOC:
 (SOC = state of charge)

30...50 % for long-time storage

mechanical specifications

cell dimensions (incl. label)

Length L1: 26.5 - 2.0 mm
 Length L2: 17.5 - 2.0 mm
 Length L3: 12.7 ± 0.25 mm
 height h1: 48.5 - 1.0 mm
 weight: 22.5 ± 2 g



114

	ANSMANN Specifications for model:	9V-E-Block Li-Ion Battery
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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice