

**cell type:** Li-Ion  
**cell size:** 26650  
**built-in cell:** BE26-20R000

**Conditions**

**nominal voltage:** 3.6 V

**capacity**

nominal: 5000 mAh discharge at 0.2C  
 minimum: 4950 mAh discharge at 0.2C  
 4500 mAh discharge at 1C  
 ta: 20°C; EV(Discharge End Voltage): 2.5V

**discharge**

max. continuous discharge current: 20 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: 1000 mA at standard charge  
 max. charge current: 5000 mA at fast charge  
 charge end voltage: 4.2 V ± 0.05V  
 charge cut off by time: 5.5...6 h at standard charge  
 1.6...1.8 h at fast charge  
 by current drop: 50...100 mA end current - cut off

**charge via micro USB connector (with USB charger)**

supply voltage: 5 V ± 0.25V  
 charge current: 1000 mA ± 200mA  
 charge time: 5.5...6 h at 1A charge

**internal resistance:** ≤ 100 mΩ at 1kHz, sine wave measurement according to IEC 896-2

energy: 18 Wh

**protection functions**

overcharge cut off voltage: 4.3 V ± 0.05V  
 deep disch. cut off voltage: 2.75 V ± 0.1V  
 overload cut off current: 28...42 A

**LED charge indicator**

(w. micro USB charge) flashes red during charge  
 lights up red end of charge; battery fully charged

**life time expectance**

(C>80% of initial capacity) ≥ 300 cycles at 0.5C charge / 1C 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  
 - 10...25 °C storage max. 6months  
 - 10...35 °C storage max. 3months  
 - 10...50 °C storage max. 1month

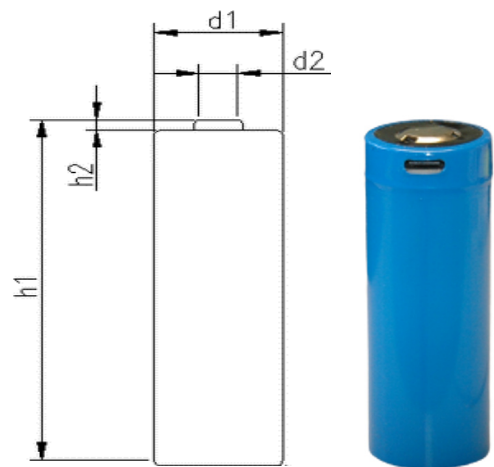
recommended SOC:

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

**mechanical specifications**

cell dimensions (incl. sleeve)

diameter d1: 26.7 ± 0.2 mm  
 diameter d2: 10 ± 1 mm  
 height h1: 71.5 ± 0.5 mm  
 height h2: 0.8 ± 0.5 mm  
 weight: 100 ± 3 g



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<b>ANSMANN Specifications for model:</b>	<b>Protected 26650 Li-Ion Battery 3.6V 5000mAh w. Type- C Charge</b>
data sheet no. / part no.	
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