cell type:	Li-Ion	
cell size:	18650	
built-in cell:	DMEGC INR18650-26E	

		Conditions
nominal voltage:	3.6 V	
capacity		
nominal:	2600 mAh	discharge at 0.2C
minimum:	2500 mAh	discharge at 0.2C
	2300 mAh	discharge at 1C
		ta: 20°C; EV(Discharge End Voltage): 2.5V
discharge		
max. continuous discharge current:	5000 mA	ta: 0....45°C
		important: avoid cell temperature above 60°C
discharge end voltage:	≥ 2.75 V	(recommended)
		important: avoid long time deep discharge
charge		
charging method:		CC - CV (Constant Current - Constant Voltage)
initial charge current:	520 mA	at standard charge
	2600 mA	at fast charge
charge end voltage:	4.2 V	± 50mV
charge cut off by time:	6 h	at standard charge
	1.6…1.8 h	at fast charge
by current drop:	26 mA	(0.01C) end current cut-off
internal resistance:	≤ 100 mOhms	at 1kHz, sine wave measurement according to IEC 896-2
energy:	9.36 Wh	

safety board protection functions

overcharge cut off voltage:	4.3 V	± 0.05V
deep disch.cut off voltage:	2.5 V	± 0.1V
overload cut off current:	10 A	± 2.5A

life time expectance

(C>70% of min. capacity)	≥ 300 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. 3months

preferred charge state for long time storage:	30...50%	

mechanical specifications
cell dimensions (incl. sleeve)

diameter d1:	18.7	± 0.3	mm
diameter d2:	6	± 0.5	mm
height h1:	69.6	± 0.5	mm
height h2:	1.35	± 0.2	mm
weight:	52	± 3	g

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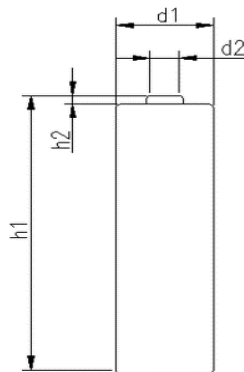
ANSMANN Specifications for model:	Li - Ion Battery 3.6V 2600mAh with inside Protection Board (PCB)
data sheet no. / part no.	
supplier no.	704507
author / date	TG / 17.06.2021

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