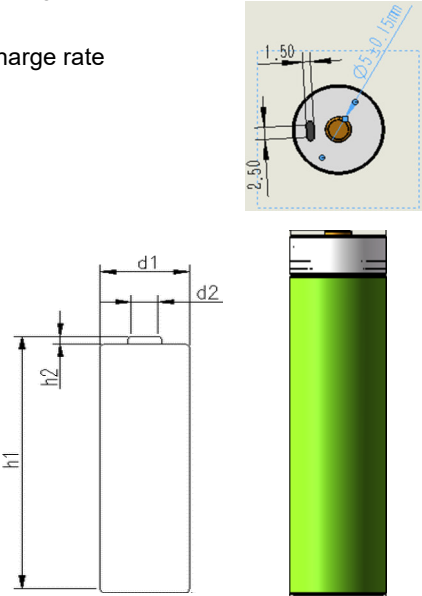
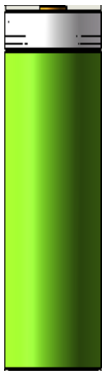


cell type:		Li-Ion
cell size:		18650
built-in cell:		LG INR 18650 F1L 3350mAh
Conditions		
nominal voltage:	3.6 V	
capacity		
nominal:	3400 mAh	discharge at 0.2C
minimum:	3250 mAh	discharge at 0.2C
	3000 mAh	discharge at 1C
		ta: 20°C; EV(Discharge End Voltage): 2.50V
discharge		
max. continuous discharge current:	4875 mA	ta: 0...45°C
		important: avoid cell temperature above 60°C
discharge end voltage:	≥ 2.5 V	(recommended)
external charge (at +/- poles)		
charging method:		CC - CV (Constant Current - Constant Voltage)
charge current:	650 mA	at standard charge
max. charge current:	1625 mA	at rapid charge
charge end voltage:	4.2 V	± 50mV
charge cut off		
by time:	5...6 h	at standard charge
	2.75...3.25 h	at rapid charge
by current drop:	50 mA	end current - cut off
charge via micro USB connector (with USB charger)		
supply voltage:	5 V	± 0.25V
charge current:	≤ 1150 mA	
charge time:	≤ 4 h	at 1A charge
internal resistance:	≤ 100 mΩ	at 1kHz, sine wave measurement according to IEC 896-2
energy:	12.24 Wh	
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:	12 A	max.
LED charge indicator		
(w. micro USB charge)	lights red	during charge
	lights green	end of charge; battery fully charged
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
recommended SOC:	30...50 %	for long-time stoarge
(SOC = state of charge)		
mechanical specifications		
cell dimensions (incl. sleeve)		
diameter d1:	18.5 ± 0.3	mm
diameter d2:	5 ± 0.5	mm
height h1:	70.0 - 2	mm
height h2:	0.5 + 0.3	mm
weight:	49 ± 3	g
		
		
	ANSMANN Specifications for model:	
	Protected 18650 Li-Ion Battery	
	3.6V 3400mAh w. Micro USB Charge	
	data sheet no. / part no.	
	supplier no.	704507
	author / date	TG / 19.07.2019