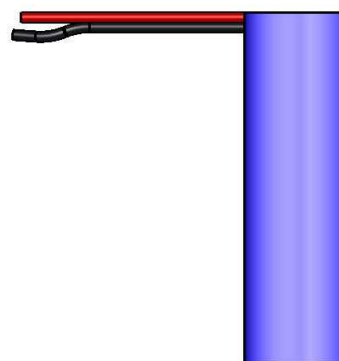


		Conditions	
cell type:	Li-Ion (LiCoO ₂)		
cell size:	18650		
nominal voltage:	3.7 V		
capacity			
nominal:	2250 mAh	discharge at 0.2C	
minimum:	2250 mAh	discharge at 0.2C	
	1800 mAh	discharge at 1C	
		ta: 20°C; EV(Discharge End Voltage): 2.75V	
discharge			
max. continuous			
discharge current:	3000 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:	1125 mA	at standard charge	
	2250 mA	at rapid charge	
charge end voltage:	4.2 V	± 50mV	
charge cut off			
by time:	3,5 h	at standard charge	
	2,5 h	at rapid charge	
by current drop:	22 mA	(0.01C)	
internal resistance:	≤ 35 mOhms	at 1kHz, sine wave measurement according to IEC 896-2	
safety board protection functions			
overcharge cut off voltage:	4.25 V	± 25mV	
deep disch.cut off voltage:	2.5 V	± 62mV	
discharge cut off current:	8500 mA	± 2000mA	
short circuit protection:	yes		
life time expectance			
(C>70% of min. capacity)	≥ 300 cycles	at 0.5C charge/discharge rate	
self discharge:			
	≤ 5 %/month	at 20°C	
	≤ 10 %/month	at 30°C	
	≤ 20 %/month	at 40°C	
ambient temperature range:			
	0...45 °C	charge	
	0...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:	18.3 ± 0.3 mm		
height:	65 ± 2 mm		
weight:	approx. 45 g		
wire diameter:	AWG22		
wire length:	120mm	black red	

Label Design



	ANSMANN Specifications for model:	Li - Ion Battery 3.7V 2250mAh with safety board inside
	data sheet no. / part no.	2347-3003
	Version no.	V0
	author / date	Eisenreich / 01.12.11