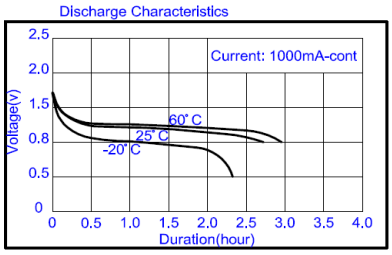
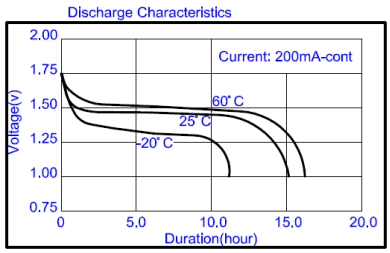
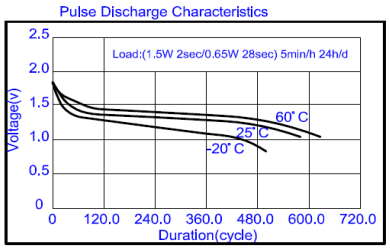
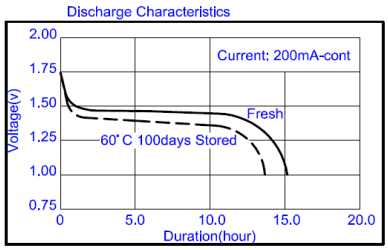
battery type:		Lithium - Iron Disulfide
battery size:		IEC: FR6; ANSI: AA; L91; Mignon
chemical system:		Li-FeS_2
		Conditions
nominal voltage:	1.5 V	
open circuit voltage:	1.78...1.83 V	new battery
	1.75...1.83 V	after 1 year storage at 20°C
capacity		all measurements at 20°C ambient
rated:	3000 mAh	discharge at 75ohms load; 24hours/day End Voltage (EV): 0.9V
minimum:	2850 mAh	discharge at 35mA constant current End Voltage (EV): 0.8V
	2700 mAh	discharge at 1000mA const. current End Voltage (EV): 0.8V
typical service output (new batteries)		
	≥ 960 cycles	discharge at 1000mA; EV: 0.9V discharge 10s/m 1h/d
	≥ 84 h	load resistor: 43ohms; EV: 0.9V discharge 4h/d
	≥ 170 min	discharge at 1000mA; EV: 0.9V discharge 24h/d
	≥ 20.3 h	load resistor: 10ohms; EV: 0.9V discharge 24h/d
	≥ 12.0 h	discharge at 250mA; EV: 0.9V discharge 1h/d
internal resistance:	≤ 350 mΩ	at 1kHz, sine wave measurement full battery
max. discharge current:	2000 mA	continuous
	3000 mA	pulse
shelf life:	10 years	under proper storage conditions
leakage resistance		
over discharge:	no leakage	10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
high temperature:	no leakage	store 20days at ta: 60°C; RH:90±5%
ambient temperature range:	- 40...60 °C	
recommended storage conditions:	-20....40 °C	ambient temperature
	45...75 %	rel. humidity





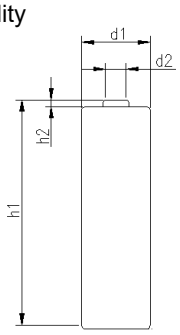




mechanical specifications

cell dimensions

diameter d1:	14.3	- 0.4	mm
diameter d2:	5.2	- 0.5	mm
height h1:	50.4	- 0.4	mm
height h2:	1.7	- 0.5	mm
weight:	15	± 2	g



ANSMANN	**ANSMANN Specifications for model:**	**Ansmann Extreme Lithium Battery AA - size**
	data sheet no. / part no.	
	s.n.	703331
	author / date	TG / 29.05.2024

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