

		Conditions	Diagrams
cell type:		NiMH	standard charge
cell size:		E-block	
nominal voltage:	8.4 V	at standard charge (0.1C / 20°C)	fast charge
max. charge voltage:	10.5 V		
capacity		discharge at 0.2C discharge at 0.2C discharge at 1C 7.0V end discharge voltage ta: 20°C	low rate discharge
nominal:	300 mAh		
minimum:	270 mAh 245 mAh		
max. continuous discharge current:	400 mA	ta: 0...45°C	high rate discharge
charge			
standard charge:	current: 30 mA	time: 14...16hrs	
quick charge:	80 mA	4hrs	
fast charge:	270 mA	1.1hrs	
recommended charge termination control parameters:	15...35 mV 120 %	- delta V of nominal input by timer cut off	
trickle charge current:	3...10 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 30 mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 0.8 Ω	at 1KHz battery fully charged	
life expectancy:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention: (at ≤ 20°C ambient)	≥ 80 % ≥ 75 %	after 6 months storage after 12 months storage	
initial capacity:	≥180 mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45 °C 10...40 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)	
QCT1:	20/250/750		
QCT2:	30/225/800		
mechanical specifications			
cell dimensions (incl. label)			
Length L1:	26.5 - 2.0	mm	
Length L2:	17.5 - 2.0	mm	
Length L3:	12.7 ± 0.25	mm	
height h1:	48.5 - 1.0	mm	
weight:	45 ± 4	g	

	ANSMANN Specifications for model:	NiMH Battery 9V-E-Block 300mAh
	data sheet no. / part no.	low self discharge
	supplier no.	702069
	author / date	TG / 25.01.2019