

			Conditions	Diagrams
cell type:	NiMH			
cell size:	AA			
nominal voltage:	1.2	V		
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)	
capacity				
nominal:	2100	mAh	discharge at 0.2C	
minimum:	2100	mAh	discharge at 0.2C	
	2000	mAh	discharge at 1C	
			1.0V end discharge voltage	
			ta: 20°C	
max. continuous discharge current:	5000	mA	ta: 0...45°C	
charge				
standard charge:	210	mA	14....16hrs	
quick charge:	600	mA	4hrs	
fast charge:	2100	mA	1.1hrs	
recommended charge termination control parameters:	0...5	mV	- ΔV (-deltaV)	
	0.8...1	°C	temperature rise per minute	
	45...50	°C	TCO (temperature cut off)	
trickle charge current:	10...40	mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 200	mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 35	mΩ	at 1KHz battery fully charged	
life expectance:	≥ 500	cycles	acc. IEC standard	
self discharge				
charge retention:	≥ 80	%	after 12 months storage at 20°C	
initial capacity:	≥ 1400	mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45	°C	standard charge	
	10...40	°C	fast charge	
	0...45	°C	discharge (≥1C)	
	- 20...65	°C	discharge (<1C)	
	- 20...50	°C	storage (≤3months)	
	- 20...40	°C	storage (≤6months)	
	- 20...30	°C	storage (≤24months)	
QCT1:	20/2050/35			
QCT2:	30/1950/40			
mechanical specifications				
cell dimensions				
diameter d1:	14.4 - 0.7	mm		
diameter d2:	max. 5.5	mm		
height h1:	50.5 - 0.5	mm		
height h2:	min. 1.2	mm		
weight:	28 ± 2	g		
blister card dimensions:	123 x 85	mm		
blister card weight (incl. batteries):	120	g		
				

