

			Conditions	Diagrams
cell type:	NiMH			
cell size:	AA			
nominal voltage:	1.2	V	at standard charge (0.1C / 20°C)	standard charge
max. charge voltage:	1.5	V		
capacity				
nominal:	2500	mAh	discharge at 0.2C	fast charge
minimum:	2400	mAh	discharge at 0.2C	
	2200	mAh	discharge at 1C	
			1.0V end discharge voltage ta: 20°C	
max. continuous discharge current:	5000	mA	ta: 0....45°C	
charge	current	time		
standard charge:	250	mA	14....16hrs	
quick charge:	700	mA	4hrs	
fast charge:	2500	mA	1.1hr	
recommended charge	0...5	mV	- ΔV (-deltaV)	low rate discharge
termination control	0.8...1	°C	temperature rise per minute	
parameters:	45...50	°C	TCO (temperature cut off)	
trickle charge current:	10...50	mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 200	mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 30	mΩ	at 1KHz battery fully charged	
life expectancy:	≥ 500	cycles	acc. IEC standard	
self discharge				
charge retention:	≥ 75	%	after 12 months storage at 20°C	
initial capacity:	≥ 1600	mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45	°C	standard charge	high rate discharge
	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:	20/2300/30			
QCT2:	30/2150/35			
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:	30 ± 2	g		
blister card dimensions:	123 x 85	mm		
blister card weight (incl. batteries):	128	g		