

		Conditions		Diagrams	
cell type:		NiMH			
cell size:		E-block			
nominal voltage:	8.4	V			
max. charge voltage:	10.5	V	at standard charge (0.1C / 20°C)		
capacity					
nominal:	150	mAh	discharge at 0.2C		
minimum:	120	mAh	discharge at 0.2C		
	100	mAh	discharge at 1C		
			7.0V end discharge voltage ta: 20°C		
max. continuous discharge current:	360	mA	ta: 0...45°C		
charge	current	time			
standard charge:	15	mA	14...16hrs		
quick charge:	40	mA	4hrs		
fast charge:	150	mA	1hr		
recommended charge termination control parameters:	15...35	mV	- delta V		
	120	%	of nominal input by timer cut off		
trickle charge current:	1...5	mA	(recommended)		
continuous overcharge: (less than 1 year)	≤ 12	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:	≥ 60	%	after 28days storage at 20°C		
initial capacity:	≥ 50	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 (≤1month)		
	- 20...40	°C	storage (≤3months)		
	- 20...25	°C	storage (≤12months)		
QCT1:	20/110/800				
QCT2:	30/90/900				
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:	38	± 4	g		
blister card dimensions:	120	x 86	mm		
blister card weight (incl. battery):	46		g		