

		Conditions		Diagrams	
<b>cell type:</b>		NiMH			
<b>cell size:</b>		D			
<b>nominal voltage:</b>	1.2	V			
<b>max. charge voltage:</b>	1.5	V			
		at standard charge (0.1C / 20°C)			
<b>capacity</b>					
<b>nominal:</b>	3000	mAh			
<b>minimum:</b>	2500	mAh			
	2250	mAh			
		discharge at 0.2C			
		discharge at 0.2C			
		discharge at 1C			
		1.0V end discharge voltage			
		ta: 20°C			
<b>max. continuous discharge current:</b>	5000	mA			
		ta: 0...45°C			
<b>charge</b>		current	time		
standard charge:	300	mA		14...16hrs	
quick charge:	800	mA		4hrs	
fast charge:	3000	mA		1hr	
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:	25...75	mA		(recommended)	
continuous overcharge: (less than 1 year)	≤ 250	mA		no conspicuous deformation no leakage	
<b>internal resistance:</b> (impedance)	≤ 30	mΩ		at 1KHz battery fully charged	
<b>life expectancy:</b>	≥ 500	cycles		acc. IEC standard	
<b>self discharge</b>					
charge retention:	≥ 60	%		after 28 days storage at 20°C	
<b>initial capacity:</b>	≥ 800	mAh		within 30 days after delivery discharge at 0.2C	
<b>ambient temperature range:</b>	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...30	°C		storage (≤12months)	
QCT1:	20/2350/30				
QCT2:	30/2200/35				
<b>mechanical specifications</b>					
cell dimensions (inc.label)					
diameter d1:	33.0	- 1.0 mm			
diameter d2:	max. 9.5	mm			
height h1:	61.5	- 2.0 mm			
height h2:	min. 1.5	mm			
weight:	110	± 5 g			
blister card dimensions:	120 x 86	mm			
blister card weight (incl. batteries):	230	g			