

		Conditions		Diagrams	
cell type:	NiMH				
cell size:	D				
nominal voltage:	1.2 V	at standard charge (0.1C / 20°C)			
max. charge voltage:	1.5 V				
capacity					
nominal:	3000 mAh	discharge at 0.2C			
minimum:	2500 mAh	discharge at 0.2C			
	2250 mAh	discharge at 1C			
		1.0V end discharge voltage ta: 20°C			
max. continuous discharge current:	5000 mA	mA	ta: 0...45°C		
charge	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			
internal resistance: (impedance)	≤ 30 mΩ	at 1KHz battery fully charged			
life expectancy:	≥ 500 cycles	acc. IEC standard			
self discharge					
charge retention:	≥ 60 %	after 28 days storage at 20°C			
initial capacity:	≥ 800 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...30 °C	storage (≤12months)			
QCT1:	20/2350/30				
QCT2:	30/2200/35				
mechanical specifications					
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				



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**D - 3000mAh HyCell
2pcs blister package**