

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

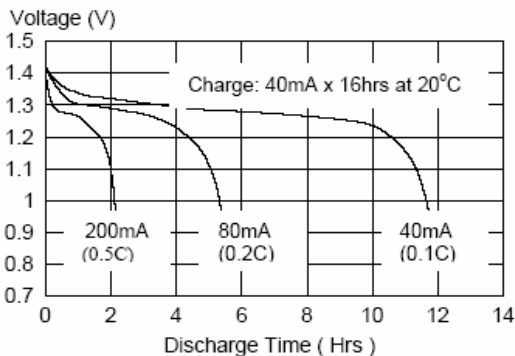
Model: EMMERICH NIMH AKKU 2/3 AAA 400 MAH FT-1Z (255011)

Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	2/3AAA	Flat Top			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	400 mAh			
Weight		8 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	400 mAh	420 mAh
	High Rate - 1C	0.1C	1C	352 mAh	370 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	40 mA (0.1C)	40 mA (0.1C)	40 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	80 mA (0.2C)	200 mA (0.5C)	400 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)	
	Minimum Overcharge	40 mA (0.1C)			
	Maximum Overcharge	800 mA with cut-off control			
Maximum Discharge Current	Continuous	1,2 A			
	Momentary (1 second)	4 A			
Internal Impedance	Typical at 1000Hz	80 milliohms upon fully charged			
Temperature		Storage for < 1 Month (deg.C)		Storage for < 1 Year (deg.C)	
	Minimum	-20		-10	
	Maximum	40		30	
		Discharge (deg.C)		Charge (deg.C)	
	Minimum	-20		0	
	Maximum	50		45	
Service Life	Standard (IEC61951-2)	upto 500 cycles (for reference)			
Designations	IEC 61951-2				

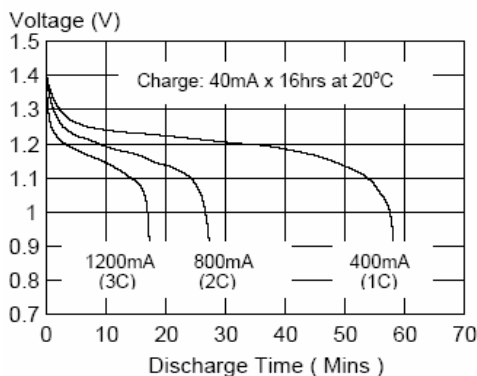
* Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

Remark: The information contained herein is presented only as a guide for the applications of our products
Data in this specification are subjected to change without notice and become contractual only after written confirmation by Emmerich.

Low rate discharge



High Rate Discharge



Dimensions (mm)		
D	10,0	± 0.5
C	4,7	± 0.3
H	28,5	± 0.5
H1	0,3	(REF)

