

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU AAA 950 MAH FT-1Z (255016)

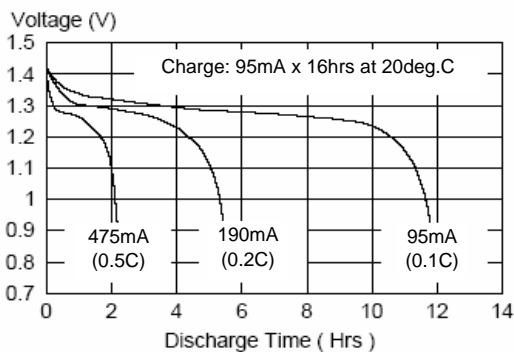
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	AAA	Flat Top			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	950 mAh			
Weight		13,5 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	900 mAh	930 mAh
	High Rate - 1C	0.1C	1C	792 mAh	830 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	95 mA (0.1C)	95 mA (0.1C)	95 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	190 mA (0.2C)	480 mA (0.5C)	950 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)	
	Minimum Overcharge	95 mA (0.1C)			
	Maximum Overcharge	1900 mA with cut-off control			
Maximum Discharge Current	Continuous	2,85 A			
	Momentary (1 second)	9,5 A			
Internal Impedance	Typical at 1000Hz	40 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

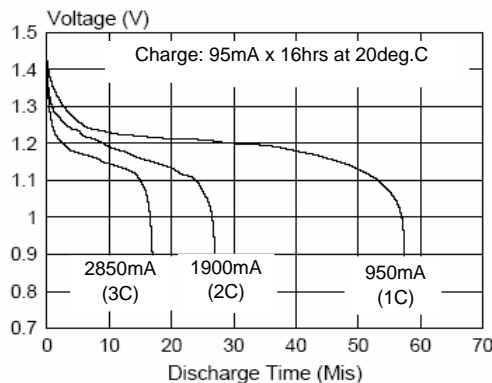
Remark: The information contained herein is presented only as a guide for the applications of our products

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	43,0	± 0.5	
H1	0,3	(REF)	

