

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: **EMMERICH NIMH AKKU AA 850 MAH HIGHTOP (255022)**

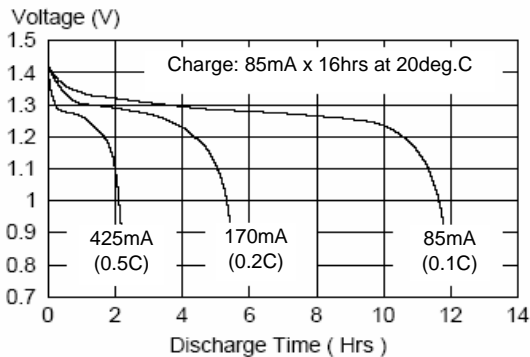
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	AA	Consumer Use			
Nominal Voltage	Standard	1,2 V			
Nominal Capacity	Low Rate - 0.1C	850 mAh			
Weight		20 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	770 mAh	810 mAh
	High Rate - 1C	0.1C	1C	678 mAh	710 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	85 mA (0.1C)	85 mA (0.1C)	85 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	170 mA (0.2C)	430 mA (0.5C)	850 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.2 hrs	< 66 min (or - Delta V)	
	Minimum Overcharge	85 mA (0.1C)			
	Maximum Overcharge	1700 mA with cut-off control			
Maximum Discharge Current	Continuous	2,55 A			
	Momentary (1 second)	8,5 A			
Internal Impedance	Typical at 1000Hz	40 milliohms upon fully charged			
Temperature		Storage for < 1 Month (□)		Storage for < 1 Year (□)	
	Minimum	-20		-10	
	Maximum	40		30	
		Discharge (□)		Charge (□)	
	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

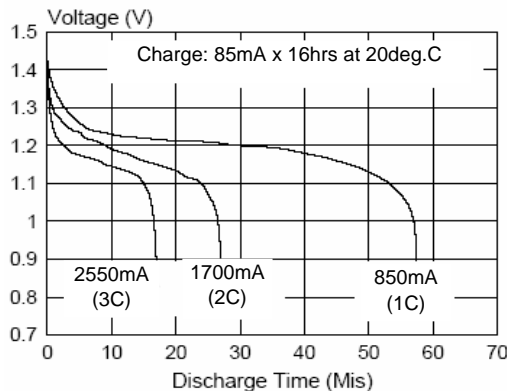
Remark: The information contained herein is presented only as a guide for the applications of our products

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	14,0	± 0.5	
C	8,0	± 0.3	
H	50,0	± 0.5	
H1	0,3	(REF)	

