

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU AA 1500 MAH HIGHTOP (255024)

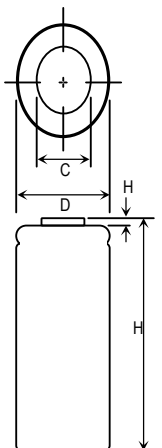
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	AA	Consumer Use			
Nominal Voltage	Standard	1,2 V			
Nominal Capacity	Low Rate - 0.1C	1500 mAh			
Weight	24,5 g				
Capacity	Charge	Discharge	Minimum	Typical	
	Low Rate - 0.1C	0.1C	0.2C	1350 mAh	1420 mAh
	High Rate - 1C	0.1C	1C	1188 mAh	1240 mAh
Charging	Standard	Quick*		Fast*	
	Minimum Charge	150 mA (0.1C)	150 mA (0.1C)	150 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	300 mA (0.2C)	750 mA (0.5C)	1500 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.2 hrs	< 66 min (or - Delta V)	
	Minimum Overcharge	150 mA (0.1C)			
	Maximum Overcharge	1500 mA with cut-off control			
Maximum Discharge Current	Continuous	4,5 A			
	Momentary (1 second)	15 A			
Internal Impedance	Typical at 1000Hz	30 milliohms at 50% Discharge			
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	-20		
	Maximum	50	40		
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

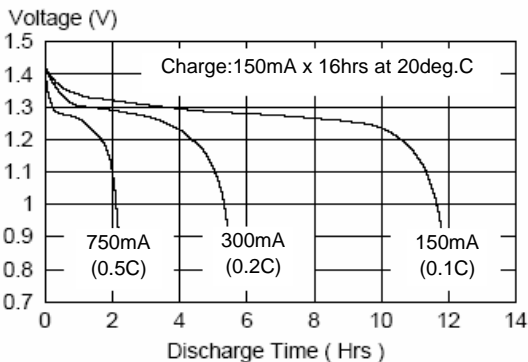
Remark: The information contained herein is presented only as a guide for the applications of our products

Data in this specification are subjected to change without notice and become contractual only after written confirmation by Emmerich.

Dimensions (mm)		
D	14,0	± 0.5
C	5,0	± 0.3
H	50,0	± 0.5
H1	1,5	(REF)



Low rate discharge



High Rate Discharge

