

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU AA 2500 MAH HIGHTOP (255028)

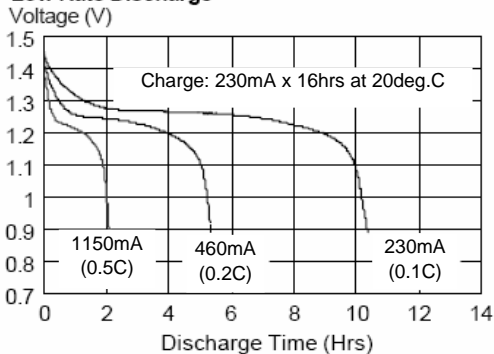
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	AA	Consumer Use			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	2300 mAh			
Weight		29,5 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	2250 mAh	2360 mAh
	High Rate - 1C	0.1C	1C	1980 mAh	2070 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	230 mA (0.1C)	230 mA (0.1C)	230 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	460 mA (0.2C)	1150 mA (0.5C)	2300 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)	
	Minimum Overcharge	230 mA (0.1C)			
	Maximum Overcharge	4600 mA with cut-off control			
Maximum Discharge Current	Continuous	6,9 A			
	Momentary (1 second)	23 A			
Internal Impedance	Typical at 1000Hz	30 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

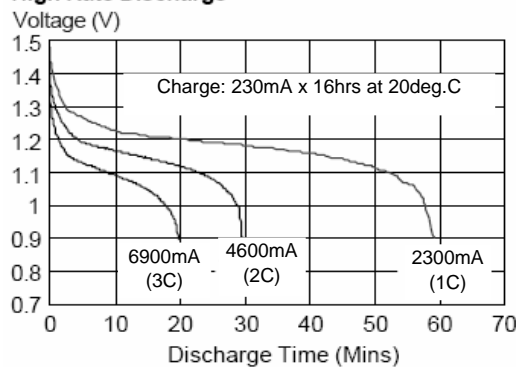
Remark: The information contained herein is presented only as a guide for the applications of our products

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

