

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: H-AA2000BL

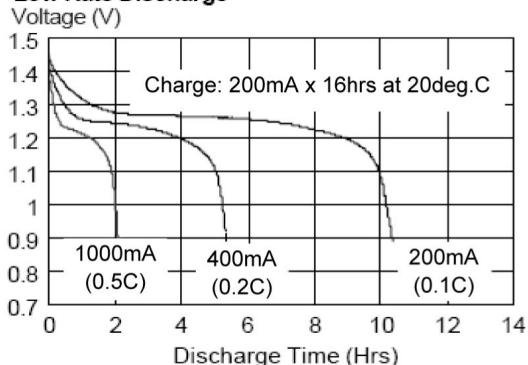
Chemical System:	Nickel Metal Hydride	Ni-MH				
Type	AA	Flat Tap				
Nominal Voltage	Low Self-discharge	1.2	V			
Nominal Capacity	Low Rate - 0.1C	2000	mAh			
Weight		29	g			
Features	Long Cycle Life	Upto 1000 Cycles				
	Long Shelf Life	2 Years expectancy in less than 10% capacity loss at 20deg.C				
	Low Self Discharge	<=35% in 1 year of storage at 20deg.C				
Capacity		Charge	Discharge		Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C		2000 mAh	2040 mAh
	High Rate - 1C	0.1C	1C		1800 mAh	1900 mAh
Charging		Standard		Quick*		Fast*
	Minimum Charge	200 mA (0.1C)		200 mA (0.1C)		200 mA (0.1C)
	Time Required (hrs)	16 hrs		16 hrs		16 hrs
	Maximum Charge	400 mA (0.2C)		1000 mA (0.5C)		2000 mA (1C)
	Time Required (hrs)	< 8 hrs		< 2.2 hrs		< 66 min (or - Delta V)
	Minimum Overcharge	200 mA (0.1C)				
	Maximum Overcharge	4000 mA with cut-off control				
Maximum Discharge Current	Continuous	6	A			
	Momentary (1 second)	20	A			
Internal Impedance	Typical at 1000Hz	25	milliohms upon fully charged			
Temperature		Storage for < 1 Month (deg.C)			Storage for < 1 Year (deg.C)	
	Minimum	-20			-20	
	Maximum	55			35	
		Discharge (deg.C)			Charge (deg.C)	
	Minimum	-10			0	
	Maximum	65			45	
Service Life	Standard (IEC61436)	upto 1000 cycles (for reference)				
Designations	IEC - 61436/FIDS					

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

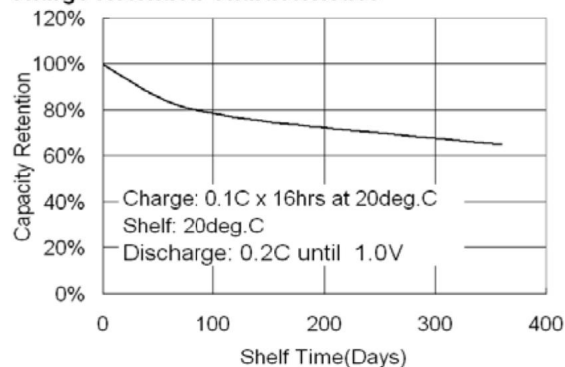
Remark: The information contained herein is presented only as a guide for the applications of our products

Data in this specification are subjected to change without notice

Low Rate Discharge



Charge Retention Characteristics



Dimensions (mm)			
D	14.0	± 0.5	
C	8.0	± 0.3	
H	49.0	± 0.5	
H1	0.3	(REF)	

