

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU AA 700 MAH FT-PS (255021)

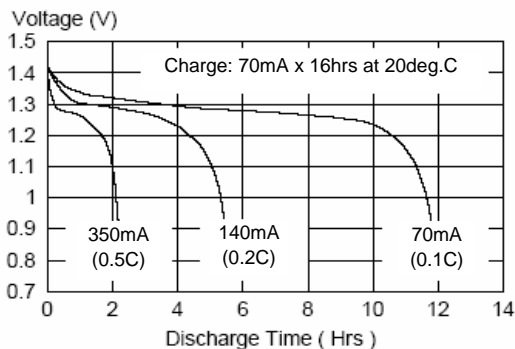
Chemical System:	Nickel Metal Hydride	Ni-MH						
Type	AA	Flat Top						
Nominal Voltage	Standard	1,2 V						
Nominal Capacity	Low Rate - 0.1C	700 mAh						
Weight		19,5 g						
Capacity		Charge	Discharge	Minimum	Typical			
	Low Rate - 0.1C	0.1C	0.2C	700 mAh	740 mAh			
	High Rate - 1C	0.1C	1C	616 mAh	640 mAh			
Charging		Standard		Quick*		Fast*		
	Minimum Charge	70	mA (0.1C)	70	mA (0.1C)	70	mA (0.1C)	
	Time Required (hrs)	16	hrs	16	hrs	16	hrs	
	Maximum Charge	140	mA (0.2C)	350	mA (0.5C)	700	mA (1C)	
	Time Required (hrs)	< 8	hrs	< 2.2	hrs	< 66	min (or - Delta V)	
	Minimum Overcharge	70	mA (0.1C)					
	Maximum Overcharge	1400	mA with cut-off control					
	Maximum Discharge Current	Continuous	2,1	A				
	Momentary (1 second)	7	A					
Internal Impedance	Typical at 1000Hz	30	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

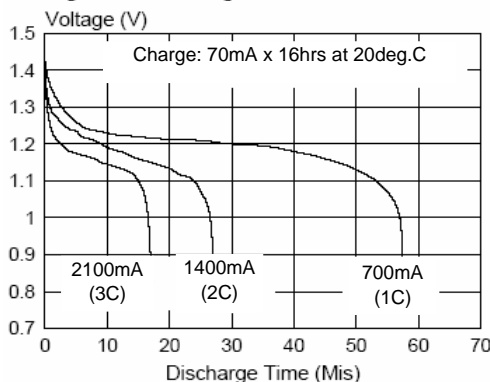
Remark: The information contained herein is presented only as a guide for the applications of our products

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	49,0	± 0.5	
H1	0,3	(REF)	

