

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU 2/3 A 1100 MAH FT-1Z (255032)

Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	2/3A	Flat Top			
Nominal Voltage	Standard	1,2 V			
Nominal Capacity	Low Rate - 0.1C	1100 mAh			
Weight		21 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	1100 mAh	1130 mAh
	High Rate - 1C	0.1C	1C	968 mAh	1010 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	110 mA (0.1C)	110 mA (0.1C)	110 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	220 mA (0.2C)	550 mA (0.5C)	1100 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.2 hrs	< 66 min (or - Delta V)	
	Minimum Overcharge	110 mA (0.1C)			
	Maximum Overcharge	2200 mA with cut-off control			
Maximum Discharge Current	Continuous	3,3 A			
	Momentary (1 second)	11 A			
Internal Impedance	Typical at 1000Hz	35 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				

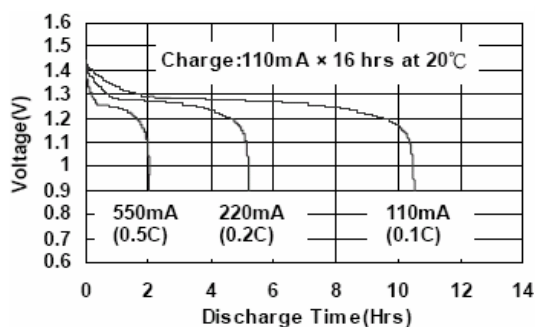
* Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

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

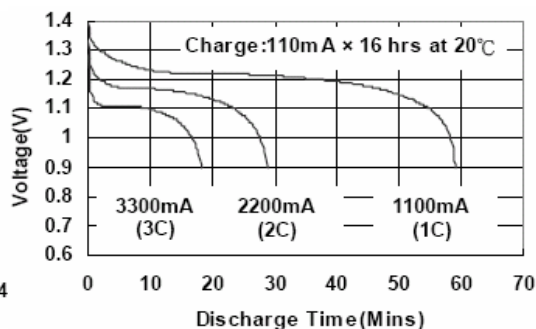
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after written confirmation by Emmerich.

Low Rate Discharge



High Rate Discharge



Dimensions (mm)		
D	16,5	± 0.5
C	8,0	± 0.3
H	28,0	± 0.5
H1	0,3	(REF)

