

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU N 500 MAH FT-1Z (255059)

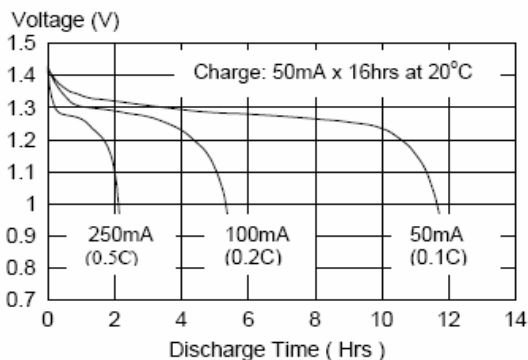
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	N	Flat Top			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	500 mAh			
Weight		10 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	500 mAh	530 mAh
	High Rate - 1C	0.1C	1C	440 mAh	460 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	50 mA (0.1C)	50 mA (0.1C)	50 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	100 mA (0.2C)	250 mA (0.5C)	500 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (with - Delta V)	
	Minimum Overcharge	50 mA (0.1C)			
	Maximum Overcharge	1000 mA with cut-off control			
Maximum Discharge Current	Continuous	1,5 A			
	Momentary (1 second)	5 A			
Internal Impedance	Typical at 1000Hz	50 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

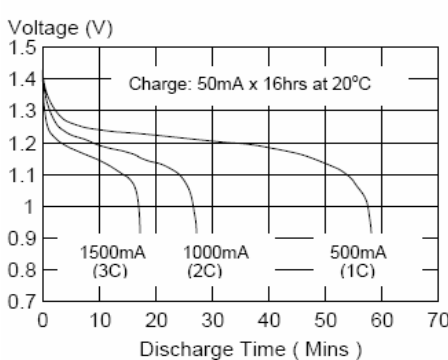
Remark: The information contained herein is presented only as a guide for the applications of our products

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	11,5	± 0.5	
C	4,7	± 0.3	
H	29,0	± 0.5	
H1	0,3	(REF)	

