

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: **EMMERICH NIMH AKKU SUB C 4000 MAH FT-1Z (255003)**

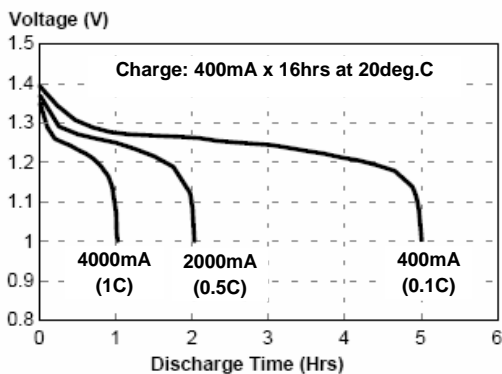
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	SC	Flat Top			
Nominal Voltage	Ultra Power	1,2 V			
Nominal Capacity	Low Rate - 0.1C	4000 mAh			
Weight		66 g			
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	3900 mAh	4020 mAh
	High Rate - 1C	0.1C	1C	3510 mAh	3630 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	400 mA (0.1C)	400 mA (0.1C)	400 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	800 mA (0.2C)	2000 mA (0.5C)	4000 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.2 hrs	< 66 min (or - Delta V)	
	Minimum Overcharge	400 mA (0.1C)			
	Maximum Overcharge	8000 mA with cut-off control			
Maximum Discharge Current	Continuous	70 A			
	Momentary (1 second)	150 A			
Internal Impedance	Typical at 1000Hz	8 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

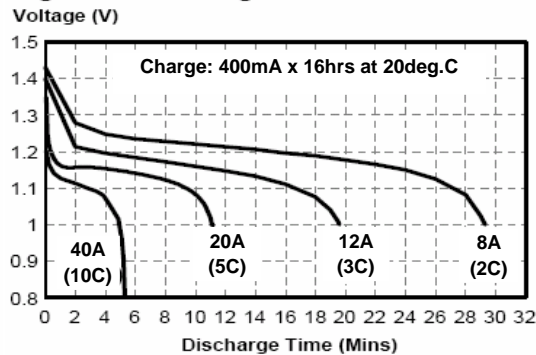
Remark: The information contained herein is presented only as a guide for the applications of our products

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	22,5	± 0.5
C	10,0	± 0.3
H	43,5	± 0.5
H1	0,3	(REF)

