EMMERICH

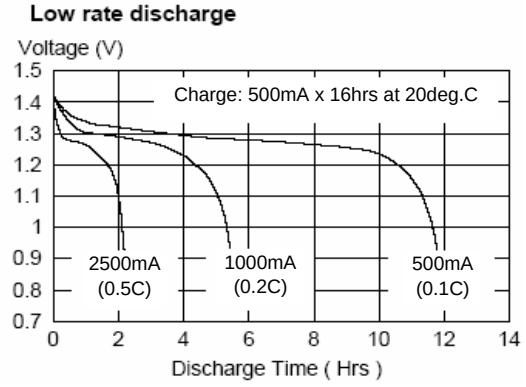
Specification for Sealed Rechargeable Nickel Metal Hydride Battery

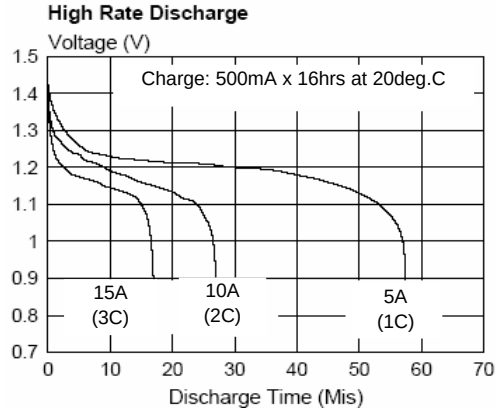
Model: **EMMERICH NIMH AKKU C 5000 MAH FT-1Z (255042)**

Chemical System:	**Nickel Metal Hydride**	Ni-MH				
Type	**C**	Flat Tap				
Nominal Voltage	**Enhanced Capacity**	1,2	V			
Nominal Capacity	**Low Rate - 0.1C**	5000	mAh			
Weight		90	g			
Capacity		**Charge**	**Discharge**	**Minimum**		**Typical**
	Low Rate - 0.1C	0.1C	0.2C	5000	mAh	5150 mAh
	High Rate - 1C	0.1C	1C	4400	mAh	4600 mAh
Charging		**Standard**	**Quick***	**Fast***		
	Minimum Charge	500 mA (0.1C)	500 mA (0.1C)	500 mA (0.1C)		
	Time Required (hrs)	16 hrs	16 hrs	16 hrs		
	Maximum Charge	1000 mA (0.2C)	2500 mA (0.5C)	5000 mA (1C)		
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)		
	Minimum Overcharge	500 mA (0.1C)				
	Maximum Overcharge	10000 mA with cut-off control				
Maximum Discharge Current	**Continuous**	25 A				
	Momentary (1 second)	75 A				
Internal Impedance	**Typical at 1000Hz**	12 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.





Dimensions (mm)		
D	25,5	± 0.5
C	10,0	± 0.3
H	49,5	± 0.5
H1	0,3	(REF)