EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU D 5000 MAH FT-1Z (255045)

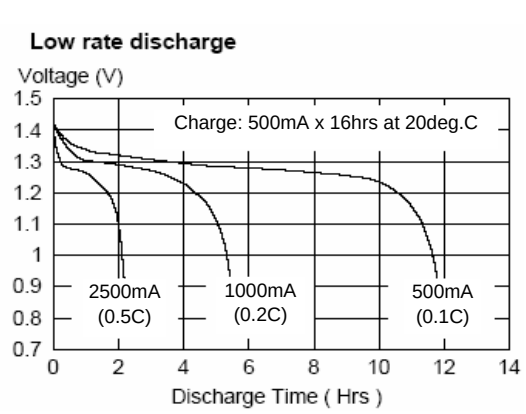
Chemical System:	**Nickel Metal Hydride**	Ni-MH					
Type	**D**	Flat Top					
Nominal Voltage	**Standard**	1,2	V				
Nominal Capacity	**Low Rate - 0.1C**	5000	mAh				
Weight		120	g				
Capacity		**Charge**		**Discharge**		**Minimum**	**Typical**
	Low Rate - 0.1C	0.1C		0.2C		5000 mAh	5150 mAh
	High Rate - 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	< 2.2	hrs	< 66	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**					

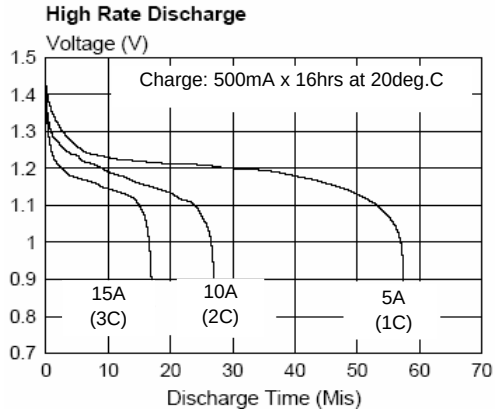
***** Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

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	32,5	± 0.5
C	10,0	± 0.3
H	59,5	± 0.5
H1	0,3	(REF)