

EMMERICH

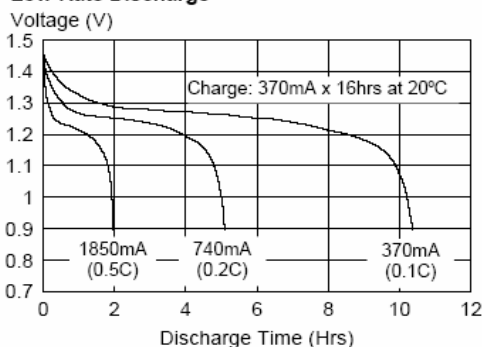
Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model:	EMMERICH NIMH AKKU 4/3 A 3700 MAH FT-1Z (255037)				
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	4/3A	Flat Top			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	3700 mAh			
Weight	52 g				
Capacity		Charge	Discharge	Minimum	Typical
	Low Rate - 0.1C	0.1C	0.2C	3700 mAh	3810 mAh
	High Rate - 1C	0.1C	1C	3256 mAh	3400 mAh
Charging		Standard	Quick*	Fast*	
	Minimum Charge	370 mA (0.1C)	370 mA (0.1C)	370 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	740 mA (0.2C)	1850 mA (0.5C)	3700 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)	
	Minimum Overcharge	370 mA (0.1C)			
	Maximum Overcharge	7400 mA with cut-off control			
Maximum Discharge Current	Continuous	11,1 A			
	Momentary (1 second)	37 A			
Internal Impedance	Typical at 1000Hz	20 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				

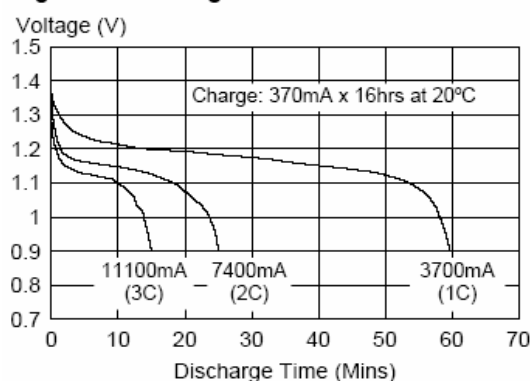
* Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

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	16,5	± 0.5
C	8,0	± 0.3
H	66,5	± 0.5
H1	0,3	(REF)

