EMMERICH ©E 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									
Туре	4/3A	Flat Top									
Nominal Voltage	Enhanced Capacity	1,2	V								
Nominal Capacity	Low Rate - 0.1C	3700	mA	n							
Weight		52	g								
Capacity		Charge		Discharge		Minimum		Typical		ıl	
	Low Rate - 0.1C	0.1C	0.1C		0.2C		3700 mAh			3810	mAh
	High Rate - 1C	0.1C	1C		1C		3256 mAh			3400	mAh
Charging		Standa	ard Quick*				Fast'	ł			
	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 (1	C)	
	Time Required (hrs)	< 8	hrs		< 2.0	hrs		< 60	min (c	or - Delt	a V)
	Minimum Overcharge	370	mA	(0.1C)							
	Maximum Overcharge	7400	mA	with cut	-off control						
Maximum Discharge Current	Continuous	11,1	А								
	Momentary (1 second)	37	А								
Internal Impedance	Typical at 1000Hz	20	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 61	951-2	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







