

## Specification of Battery Pack

Model	EMMERICH NIMH PACK AAA 800MAH 3.6V FT-1Z
Part No.	255052
Chemistry	Ni-MH
Quantity of Cells	3
Connector Type	Tab

Description of Specification							
Nominal Voltage (V)	<b>3.6V</b>						
Nominal Capacity (mAh)	<b>800mAh</b>						
Weight	39g						
Capacity		Charge	Discharge	Nominal		Typical	
	Low Rate	0.1C	0.2C	800	mAh	820	mAh
	High Rate	0.1C	1C	704	mAh	730	mAh
Charging		Standard		Quick*		Fast*	
	Minimum Charge	80	mA	80	mA	80	mA
	Time Required (hrs)	16	Hours	16	Hours	16	Hours
	Maximum Charge	160	mA	400	mA	800	mA
	Time Required (hrs)	8	Hours	150	min	66	min □ with -ΔV)
	Minimum Overcharge	80	mA		for	24	Hours
	Maximum Overcharge	800	mA	for	90	min	(with cut-off control)
Maximum Discharge Current	Continuous	2400	mA				
	Momentary (1 second )	4	A				
Internal Impedance	Typical at 1000Hz	120 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	-10			0		
	Maximum	50			40		
Service Life	Standard (IEC61951-2)	500		cycles (for reference only)			
Designations Standard	IEC - 61951-2						
Appearance and Dimensions(mm)	Refer to drawing #			Height	Width	Thickness	
				MAX44.5	MAX32.5	MAX11.0	
Components and Parts	Connector	FT-1Z TAB					
	Polyswitch	/					
	Thermostat	/					
Performance Curve							<p>*Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge.</p> <p>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.</p>