

Specification of Battery Pack

Model	EMMERICH NIMH PACK AAA 800MAH 4.8V FT-1Z
Part No.	255053
Chemistry	Ni-MH
Quantity of Cells	4
Connector Type	Tab

Description of Specification							
Nominal Voltage (V)	4.8V						
Nominal Capacity (mAh)	800mAh						
Weight	52g						
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 Discharge Current	Continuous	2400	mA				
	Momentary (1 second)	4	A				
Internal Impedance	Typical at 1000Hz	160 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	MAX43	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>