

Specification of Battery Pack

Model	EMMERICH NIMH PACK AA1500MAH 4.8V FT-1Z
Part No.	255056
Chemistry	Ni-MH
Quantity of Cells	4
Connector Type	Tab

Connector Type	l ab								
		Description of Spe	ecification)					
Nominal Voltage (V)	4.8V								
Nominal Capacity (mAh)	1500mAh								
Weight	98g								
Capacity		Charge	e Discharge		Nominal		Typical		
	Low Rate	0.1C	0.2C	1	.500 mAl	h 154	0 mAh		
	High Rate	0.1C	1C	1	.320 mAl	h 138	0 mAh		
Charging		Standard		Quick		Fast*			
	Minimum Charge	150	mA	150	mA	150 mA			
	Time Required (hrs)	16	Hours	16	Hours	16	Hours		
	Maximum Charge	300	mA	750	mA	1500	mA		
	Time Required (hrs)	8	Hours	150	min	66	min with -ΔV		
	Minimum Overcharge	150	mA		for	24	Hours		
	Maximum Overcharge	1500	mA	for 90 min		(with cut-off control)			
Maximum Discharge Current	Continuous	4500	mA						
	Momentary (1 second)	7,5	A						
Internal Impedance	Typical at 1000Hz	130 milliohms upon full	y charged						
		Storage for < 1 Month (deg.c)				Storage for < 1 Year (deg.c)			
	Minimum	-20				-10			
T	Maximum	40				30			
Temperature		Discha		Charge (deg.c)					
	Minimum	-10				0			
	Maximum	50				40			
Service Life	Standard (IEC61951-2)	500				cycles (for reference only)			
Designations Standard	•			IEC - 61	951-2				
Appearance and Dimensions(mm)		Reter to drawing #			Height	Width	Thickness		
					MAX50.5	MAX59	MAX15.0		
	Connector	FT-1Z TAB							
Components and Parts	Polyswitch	/							
	Thermostat	/							
Performance Curve	•	High Rate Discha	rae		*Quic	k and Fast charge	require cut-off		
Low rate discharge	6.0 Voltage (V)				_ control circuitry to terminate charge or				
Voltage (V)	Chargo: 150mA x 16hrs at 20dag C				switch to trickle charge when cell reaches				
6.0 Chargo:150	mA x 16hrs at 20deg.C	5.6 Charge. 150mA x 16ms at 20deg.C				-			
5.6 Charge:150	5.2				full charge. Remark:The information contained herein is presented only as a guide for the				
4.8		4.8							
4.4									
4.0	4.0				applications of our products. Data in this				
3.6 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	3.6 4500mA 3000mA				specification are subjected to change				
3.2 (0.5C) (0.2C)		3.2 4500mA 3000mA 1500mA (1C)				without notice and become contractual			
2.8	8 10 12 14	2.8				fter written confirm			
U 2 4 6 Discharge	4 0 10 20 30 40 50 60 70 Discharge Time (Mis)				Emmerich.				
2.00.13190	,	Discharge Time (MIS)				HUII.			