

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

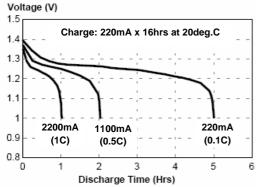
EMMERICH NIMH	AKKU 4/	/5 S	UB C	2200 N	/AH	HFT (255001))		
Nickel Metal Hydride	Ni-MH	Ni-MH								
4/5SC	Flat Top									
Ultra Power	1,2	٧								
Low Rate - 0.1C	2200	mAl	h							
	50	g								
	Charge		[Discharge		Minim	num	Typical		
Low Rate - 0.1C	0.1C	0.2C).2C		2200 mAh			2270	mAh
High Rate - 1C	0.1C		1	1C		1980	mAh		2050	mAh
	Standard			Quick*		Fast*		,		
Minimum Charge	220	mΑ	(0.1C)	220	mΑ	(0.1C)	220	mΑ	(0.1C)	
Time Required (hrs)	16	hrs		16	hrs		16	hrs		
Maximum Charge	440	mΑ	(0.2C)	1100	mΑ	(0.5C)	2200	mΑ	(1C)	
Time Required (hrs)	< 8	hrs		< 2.2	hrs		< 66	min	(or - Del	ta V)
Minimum Overcharge	220	mΑ	(0.1C)							
Maximum Overcharge	4400	4400 mA with cut-off cor								
Continuous	44	Α								
Momentary (1 second)	110	Α								
Typical at 1000Hz	15	milli	iohms up	on fully cha	arged	I				
	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			
Standard (IEC61951-2)	upto 50	upto 500 cycles (for reference)								
	IEC 6	1951-	2							
	Nickel Metal Hydride 4/5SC Ultra Power Low Rate - 0.1C Low Rate - 0.1C High Rate - 1C Minimum Charge Time Required (hrs) Maximum Charge Time Required (hrs) Minimum Overcharge Maximum Overcharge Continuous Momentary (1 second) Typical at 1000Hz Minimum Maximum Maximum Maximum	Nickel Metal Hydride Ni-MH 4/5SC Flat To Ultra Power 1,2 Low Rate - 0.1C 2200 50 Charg Low Rate - 0.1C 0.1C High Rate - 1C 0.1C Standa Minimum Charge 220 Time Required (hrs) 16 Maximum Charge 440 Time Required (hrs) < 8	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mA 50 g Charge 0.1C High Rate - 1C 0.1C Minimum Charge 220 mA Time Required (hrs) 16 hrs Maximum Charge 440 mA Time Required (hrs) < 8	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mAh 50 g Charge I Low Rate - 0.1C 0.1C 0 High Rate - 1C 0.1C 0 Standard Minimum Charge 220 mA (0.1C) Time Required (hrs) 16 hrs Maximum Charge 440 mA (0.2C) Time Required (hrs) < 8 hrs	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mAh 50 g Discharge Low Rate - 0.1C 0.1C 0.2C High Rate - 1C 0.1C 1C Standard Quict Quict Minimum Charge 220 mA (0.1C) 220 Time Required (hrs) 16 hrs 16 Maximum Charge 440 mA (0.2C) 1100 Time Required (hrs) < 8 hrs	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mAh 50 g Charge Discharge Low Rate - 0.1C 0.1C 0.2C High Rate - 1C 0.1C 1C Standard Quick* Minimum Charge 220 mA (0.1C) 220 mA Time Required (hrs) 16 hrs 16 hrs Maximum Charge 440 mA (0.2C) 1100 mA Time Required (hrs) <8	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mAh mAh 50 g Discharge Minime Low Rate - 0.1C 0.1C 0.2C 2200 High Rate - 1C 0.1C 1C 1980 Standard Quick* Minimum Charge 220 mA (0.1C) 220 mA (0.1C) Time Required (hrs) 16 hrs 16 hrs Maximum Charge 440 mA (0.2C) 1100 mA (0.5C) Time Required (hrs) < 8 hrs	Nickel Metal Hydride	Vitra Power	Nickel Metal Hydride Ni-MH 4/5SC Flat Top Ultra Power 1,2 V Low Rate - 0.1C 2200 mAh Forage Discharge Minimum Typic Low Rate - 0.1C 0.1C 0.2C 2200 mAh 2270 High Rate - 1C 0.1C 1C 1980 mAh 2050 Standard Quick* Fast* Minimum Charge 220 mA (0.1C) 220 mA (0.1C) 220 mA (0.1C) Time Required (hrs) 16 hrs 16 hrs 16 hrs 16 hrs Maximum Charge 440 mA (0.2C) 1100 mA (0.5C) 2200 mA (1C) Time Required (hrs) <8 hrs

^{*} 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

