

EMMERICH

Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU D 9000 MAH FT-1Z (255047)

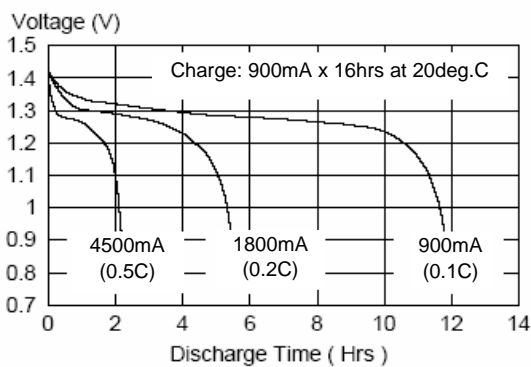
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type	D	Flat Top			
Nominal Voltage	Enhanced Capacity	1,2 V			
Nominal Capacity	Low Rate - 0.1C	9000 mAh			
Weight		170 g			
Capacity	Charge	Discharge	Minimum	Typical	
	Low Rate - 0.1C	0.1C	0.2C	8500 mAh	8760 mAh
	High Rate - 1C	0.1C	1C	7480 mAh	7820 mAh
Charging	Standard	Quick*	Fast*		
	Minimum Charge	900 mA (0.1C)	900 mA (0.1C)	900 mA (0.1C)	
	Time Required (hrs)	16 hrs	16 hrs	16 hrs	
	Maximum Charge	1800 mA (0.2C)	4500 mA (0.5C)	9000 mA (1C)	
	Time Required (hrs)	< 8 hrs	< 2.0 hrs	< 60 min (or - Delta V)	
	Minimum Overcharge	900 mA (0.1C)			
	Maximum Overcharge	18000 mA with cut-off control			
Maximum Discharge Current	Continuous	45 A			
	Momentary (1 second)	135 A			
Internal Impedance	Typical at 1000Hz	8 milliohms upon fully charged			
Temperature	Storage for < 1 Month (deg.C)	Storage for < 1 Year (deg.C)			
	Minimum	-20			
	Maximum	40			
	Discharge (deg.C)	Charge (deg.C)			
	Minimum	-20			
	Maximum	50			
Service Life	Standard (IEC61951-2)	upto 500 cycles (for reference)			
Designations	IEC 61951-2				

* Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

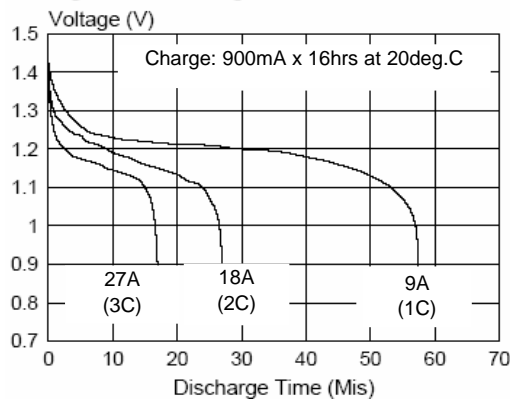
Remark: The information contained herein is presented only as a guide for the applications of our products

Data in this specification are subjected to change without notice and become contractual only after written confirmation by Emmerich.

Low rate discharge



High Rate Discharge



Dimensions (mm)		
D	32,5	± 0,5
C	10,0	± 0,3
H	59,5	± 0,5
H1	0,3	(REF)

