

battery type: Zinc-Carbon (electrolyte: Ammonium Chloride)
battery size: IEC: 4R25
chemical system: Zn / NH₄Cl - ZnCl₂ - H₂O / MnO₂

Conditions

nominal voltage: 6 V
open circuit voltage: 6.5...6.88 V new battery
 6.0...6.88 V after 1 year storage at 20°C
on load voltage: ≥ 5.8 V new battery (measured at 15Ω load within 0.3s)
 ≥ 5.6 after 1 year storage at 20°C

capacity all measurements at 20°C ambient
nominal: 9.0 Ah at 1.2KΩ load; E.V.: 3.6V
minimum: 6.5 Ah at 42mA constant current discharge; E.V.: 3.6V

Service life

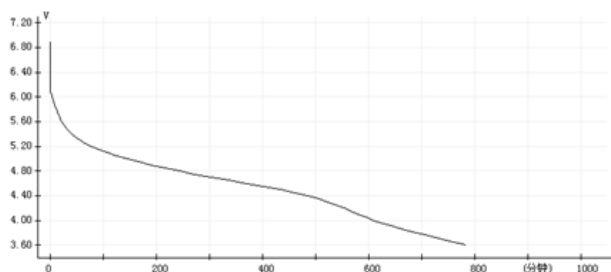
Discharge Condition			Average Minimum Discharge Time	
Discharge load	Daily discharge time	End Point Voltage (v)	Initial within 30 day	After 12mth at 20±2°C
110Ω	12h/d	3.6	155h	124h
8.2Ω	30min	3.6	500min	400min
9.1Ω	30m/h, 8h/d	3.6	430min	344min

M: minute H: hour

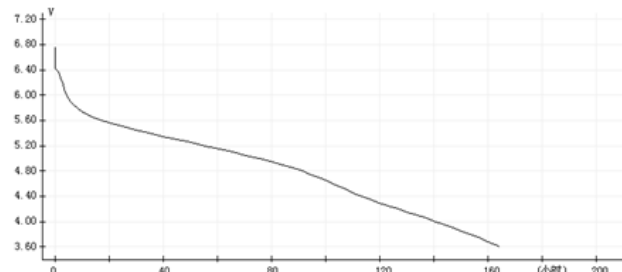
*The initial discharge test shall commence within 30 days of manufacture. During this period, the cells shall be stored under room temperature conditions.
 (20±2°C and 45%-75% relative humidity)

discharge diagrams:

I 15.6ohms 24h/day;



II 110ohms 12h/day;



shelf life: 2 years under proper storage conditions

leakage resistance

over discharge: no leakage 15.6ohms continuous discharge to 2.4V; ta: 20°C; RH: < 70%
high temperature: no leakage store 30days at ta: 45°C; RH:90±5%

ambient temperature range:

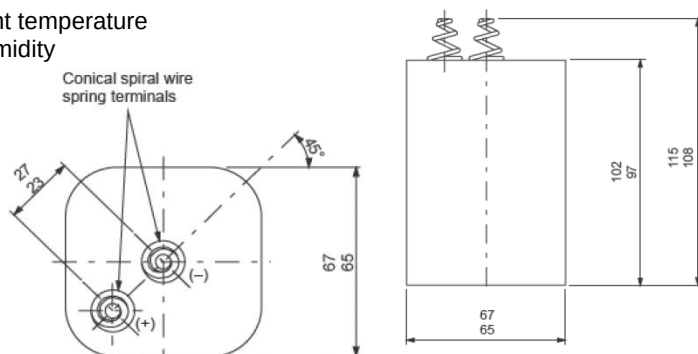
- 10...50 °C operation
 5....25 °C ambient temperature
 45...75 % rel. humidity

mechanical specifications

cell dimensions

length: 67.0 - 2.0 mm
width: 67.0 - 2.0 mm
height (incl. terminals): 115.0 - 7.0 mm
height (case): 102.0 - 5.0 mm

weight: 500 ± 10 g



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	ANSMANN Specifications for model:	HyCell Super Heavy Duty Battery 4R25 9Ah bulk package
	data sheet no. / part no.	1500-0003
	supplier no.	
	author / date	TG / 22.08.2014

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice