

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 (OCV): 6.4...6.88 V
 closed circuit voltage (CCV): ≥ 5.78 V
 ≥ 5.70 V
 ≥ 5.58 V

new battery*
 after 1 year storage at 20°C

new battery*
 measured at 15.6Ω load within 0.3s
 after 3 months storage at 20°C
 after 1 year storage at 20°C

capacity
 nominal: 9.0 Ah
 minimum: 6.5 Ah

all measurements at 20°C ambient
 at 110Ω load; 12h/d; E.V.: 3.6V
 at 42mA constant current discharge; E.V.: 3.6V

service life (MAD, initial)
 tests acc. IEC60086-2

portable lighting test: ≥ 470 min
 load resistor 8.2Ω; discharge time 30m/d
 E.V.: 3.6V

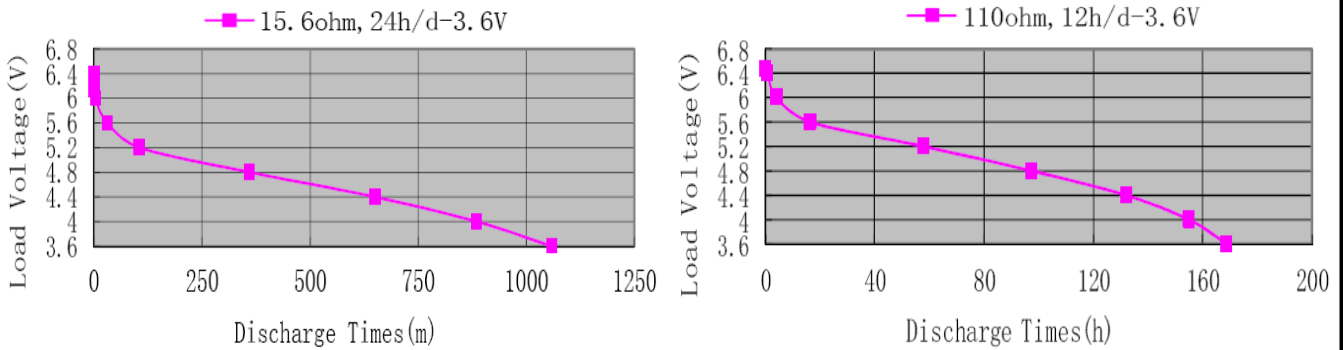
portable lighting test: ≥ 540 min
 load resistor 9.1Ω; discharge time 30m/h, 8h/d
 E.V.: 3.6V

road warning lamps test: ≥ 156 h
 load resistor 110Ω; discharge time 12h/d
 E.V.: 3.6V

≥ 960 min
 load resistor 15.6Ω; discharge time 24h/d
 E.V.: 3.6V

*within 30days after production

discharge diagrams:



shelf life: 3 years under proper storage conditions

leakage resistance

over discharge: no leakage
 high temperature: no leakage

15.6ohms continuous discharge to 2.4V; ta: 20°C; RH: < 70%
 store 30days at ta: 45°C; RH:90±5%

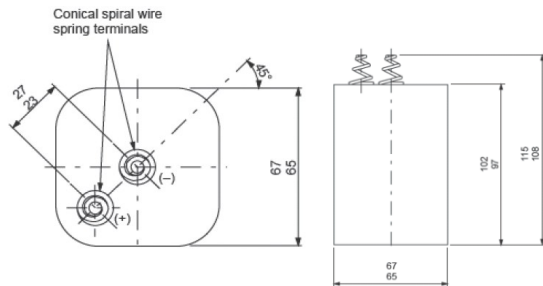
ambient temperature range:

- 10...50 °C operation
 recommended storage conditions: 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: 489 ± 10 g



	ANSMANN Specifications for model:	Ansmann Super Heavy Duty Battery 4R25 9Ah 1pc shrink package
	data sheet no. / part no.	1500-0003
	supplier no.	703385
	author / date	TG / 07.09.2017