

battery type: Zinc-Carbon (electrolyte: Ammonium Chloride)
battery size: IEC: 4R25X; ANSI: 908CD
chemical system: Zn / NH₄Cl - ZnCl₂ - H₂O / MnO₂

Conditions

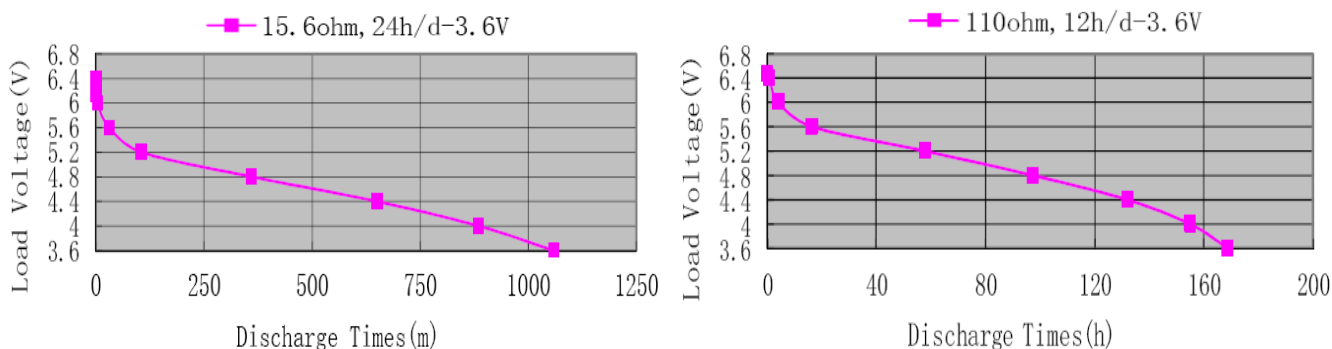
nominal voltage: 6 V
open circuit voltage (OCV): 6.3...6.8 V new battery*
 6.2...6.8 V after 1 year storage at 20°C
closed circuit voltage (CCV): ≥ 6.0 V new battery*
 ≥ 5.8 V measured at 15.6Ω load within 0.3s
 ≥ 5.6 V after 6 months storage at 20°C
 after 1 year storage at 20°C

capacity all measurements at 20°C ambient
nominal: 9.0 Ah at 10mA load; 24h/d; E.V.: 3.6V
minimum: ≥ 1000 min load resistor 15.6Ω; discharge time 24h/d; E.V.: 3.6V
 (for IQC measurement) new battery*

service life (MAD, initial) tests acc. IEC60086-2
portable lighting test: ≥ 400 min load resistor 8.2Ω; discharge time 30m/d
 E.V.: 3.6V
portable lighting test: ≥ 360 min load resistor 9.1Ω; discharge time 30m/h, 8h/d
 E.V.: 3.6V
road warning lamps test: ≥ 155 h load resistor 110Ω; discharge time 12h/d
 E.V.: 3.6V
 ≥ 6.5 Ah at 42mA constant current discharge; E.V.: 3.6V

*within 30days after production

discharge diagrams:



shelf life: 3 years under proper storage conditions

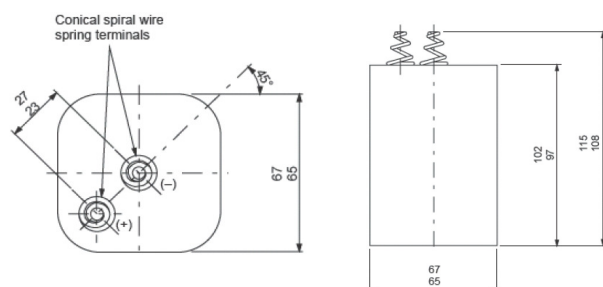
leakage resistance

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
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: 495 ± 10 g



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	ANSMANN Specifications for model:	Super Heavy Duty Blockbattery
	data sheet no. / part no.	4R25 6V / 9Ah
	supplier no.	704416
	author / date	TG / 12.09.2018

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