

# Primary lithium battery

## BA 5367

3 V Primary lithium manganese dioxide (Li-MnO<sub>2</sub>)  
High drain capability  
1/3 C-size spiral cell

### Benefits

- High and stable discharge voltage
- High pulse capability
- Performance not affected by cell orientation
- Long storage possible before use
- Ability to withstand extreme temperature

### Key Features

- Low self-discharge rate (*less than 3% after one year of storage at + 20°C*)
- Hermetic glass-to-metal sealing
- Flat pressure contact terminals
- Built-in safety vent (*at the negative end of the cell*)
- Meets shock, vibration, and other environmental requirements of military specifications
- Made in the USA

### Typical applications

- Night vision



Cell size reference	1/3 um2	1/3 R14	1/3 C
<b>Electrical characteristics</b>			
Nominal capacity			1.4 Ah
Open circuit voltage			3 V
Nominal voltage (at 50 mA)			2.8 V
Rated capacity (at 50 mA discharge)			
70°F (21°C)			1.4 Ah
- 20°F (- 29°C)			0.8 Ah
Maximum recommended continuous current			0.5 A
Storage (% of rated capacity)			
1 year		70°F (21°C): >95%	
1 month		160°F (71°C): >90%	
Operating temperature range			- 40°F (- 40°C) to 160°F (71°C)
<b>Physical characteristics</b>			
Diameter (maximum)			26.04 mm (1.025 in)
Height			19.02 mm (0.749 in)
Weight (maximum)			1.1 oz (31.2 gr)
Weight of Li			0.4 gr
Volume			0.54 in <sup>3</sup> (8.9 cc)
<b>References</b>			
NSN Number			6135-01-507-1135

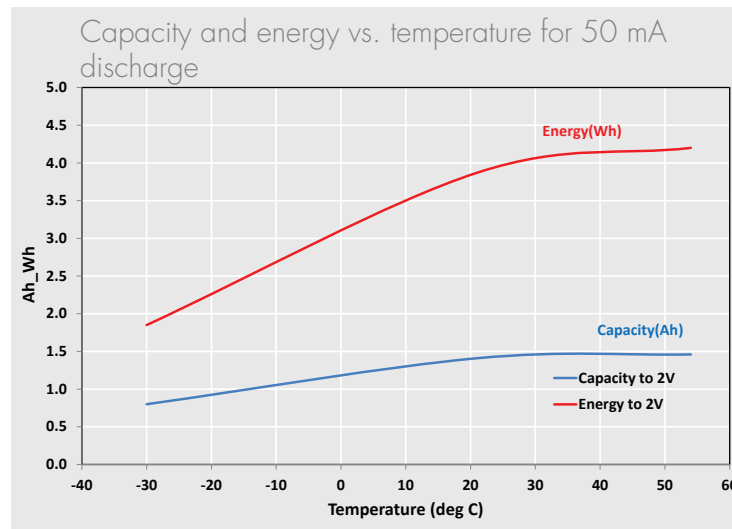
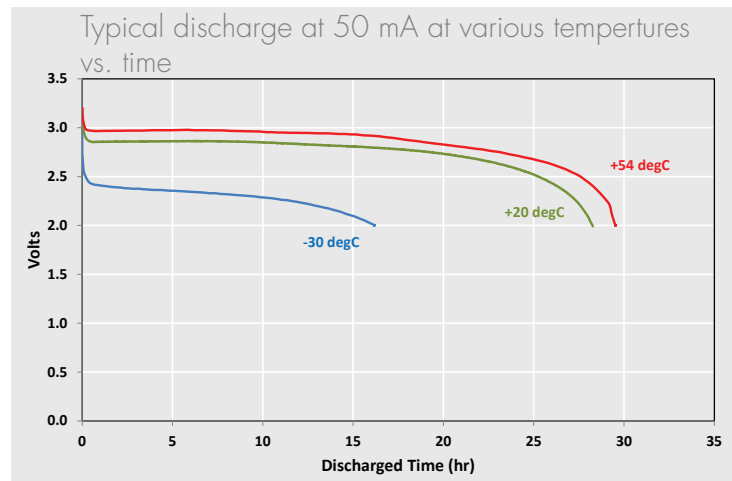
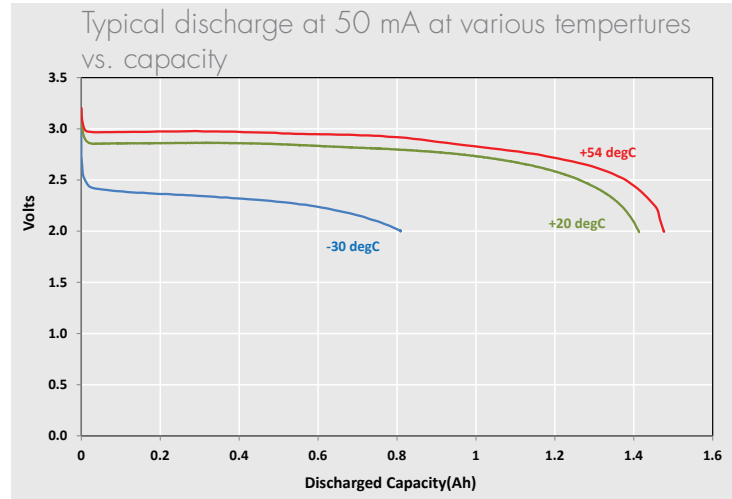
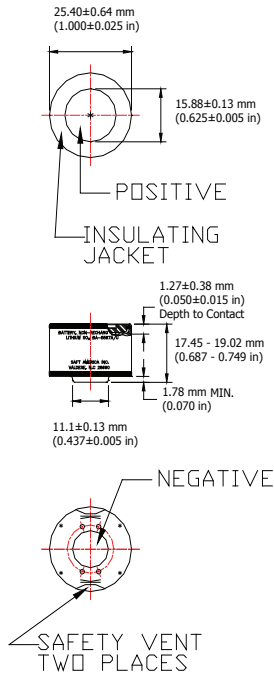


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## Handling precautions

- Do not puncture, open, or mutilate
- Do not obstruct safety vent mechanism
- Do not short circuit or charge
- Do not expose to fire or temperatures above 160°F (71°C)



norwatt@norwatt.es

www.norwatt.es



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