

Product Safety Data Sheet – CR123A Lithium/Manganese Dioxide Battery

Issue	1
Date last amended	July 2024
Last amended by	JG

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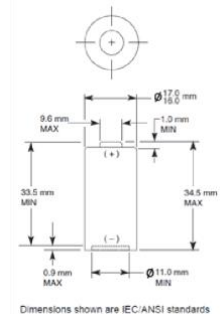
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Declares under its sole responsibility that the product(s) as originally delivered:

Product Name(s)	Lithium Battery Pack
Part Number(s)	714020095
Type Number(s)	CR123Ax3
For use with	sMRT ALERT, sMRT V300
Chemistry	LiMnO ₂
Total Weight	60g
Nominal Voltage	9V
Lithium weight/cell	0.6g
Total lithium weight/battery	1.8g

Key Features:

High voltage response, stable during most of the lifetime of the application
Reliable Performance
Wide operating temperature range (-20°C / + 75°C)
Low self-discharge with long operating life (<1% after 1 year of storage at + 20°C)
Excellent resistance to corrosion
Designed to meet all major quality, safety and environment standards: <ul style="list-style-type: none"> • Safety: IEC 60086-4 • Transport: UN 38.3 • RoHS and REACH compliance • Quality: ISO 9001, Duracell World Class Continuous Program



Electrical Characteristics

Nominal capacity	1550 mAh
Typical Voltage (at + 20 degree celsius)	9.2 to 9.6 V
Standard Continuous Discharge Current	20 mA
Maximum Peak Discharge Current	900 mA
Nominal Energy	47 kJ
Energy Density	783 J/g

Physical Characteristics

Typical Weight	60g (0.60 oz.)
Li metal content	approx. 1.8g

Operating & Storage conditions

Operating temperature range	-20°C to 75°C (-4°F to 167°F)
Recommended Storage (storage area should be clean, cool, dry and ventilated)	5°C to 30°C (41°F to 86°F)

60086-4 © IEC:2007 Edition 3.0

Test	Test designation	Observation
A	Attitude	Pass
B	Thermal Cycling	Pass
C	Vibration	Pass
D	Shock	Pass
E	External short circuit	Pass
F	Impact	Pass
G	Crush	Pass
H	Forced discharge	Pass
I	Abnormal charging	Pass
J	Free fall	Pass
K	Thermal Abuse	Pass

Warning

Fire, explosion and burn hazard
Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water

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Delivered capacity is dependent on the applied load, operating temperature and cut-off voltage.
Please refer to the charts and discharge data shown for examples of the energy/service life that the battery will provide for various load conditions.

Marine Rescue Technologies Ltd. has issued this Product Safety Data Sheet to provide user advice on the above listed product(s). The information has been prepared in good faith and is believed to be accurate at the date of preparation. Marine Rescue Technologies Ltd. makes no warranty, either express or implied, with respect to this information.

Signed on behalf of Marine Rescue Technologies Ltd:

Date	Name	Position	Signature
1 st May 2024	Ryan Pettit	Managing Director	

