

LITHIUM PHOTO BATTERY

SPECIFICATIONS

Model	: CR123A-1L2
Description	: Lithium manganese dioxide (Li/MnO ₂) battery
Nominal Capacity	: 1700mAh (Min. 1600mAh) at 20mA continuous discharge (new cell, temp. 20°C)
Nominal Voltage	: $\geq 3.0V$ (open circuit voltage, no load)
Cut-Off Voltage	: 2.0V
Weight	: 16g
Max. Discharge Current	: 850mA
Estimate Self-Life	: 10 years ex-factory (Conditions apply)
Operating Temperature	: -20°C to 60°C (battery performance varies with temperature)
Storage Conditions	: -20°C to 45°C, RH 65 $\pm$ 15% (within 3 months) 25 $\pm$ 5°C, RH 50-70% (long term)

Safety Device : Built-in PTC

IQC Recommendations : Other IQC standard must be mutually agreed.

IQC Date : within 30 days after shipment of battery

Outer Dimensions : with caliper (Sampling S-4 AQL 2.5)

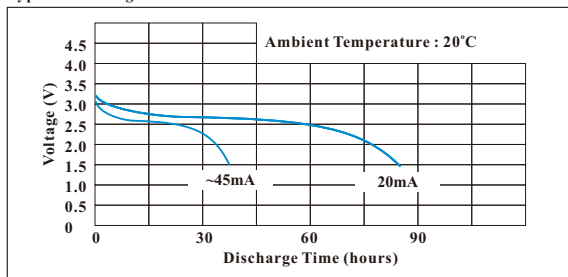
Appearance : visual (Sampling G-II AQL 2.5)

Open Circuit Voltage : voltmeter (Sampling S-4 AQL 0.65)

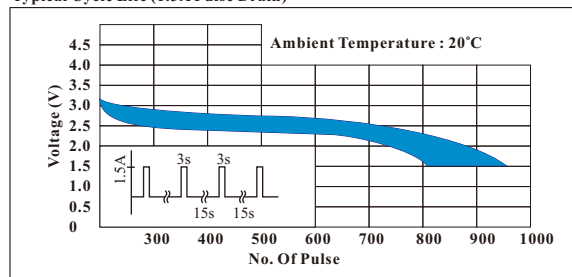
Capacity : 20mA continuous discharge at 20 $\pm$ 5°C

Precautions : Misuse or mishandling of battery may cause explosion, burning, or leaking.
Do not recharge, over-discharge, short circuit, disassemble, direct soldering, put into fire, put into water, use inverse polarity, mix new and old battery.
Do not use more than three cells in series. Contact us for technical advice if application/equipment needs more than 3 cells in series.
Do not mix use different types (chemistry) batteries.

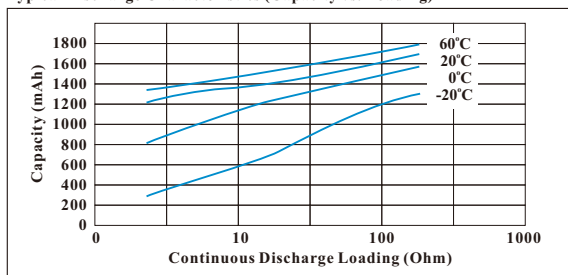
Typical Discharge Characteristics



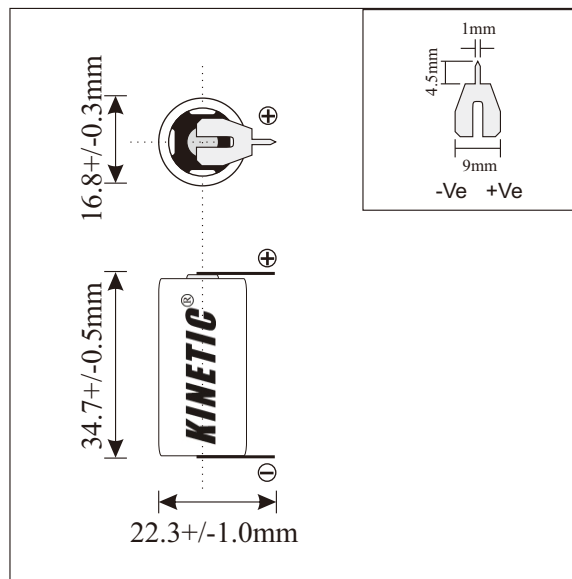
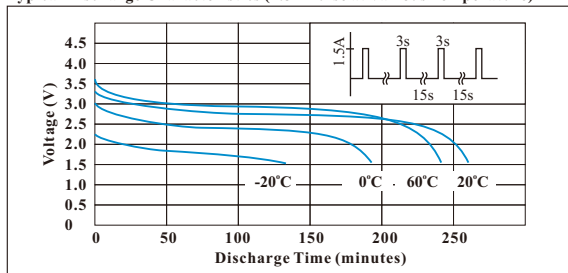
Typical Cycle Life (1.5A Pulse Drain)



Typical Discharge Characteristics (Capacity vs. Loading)



Typical Discharge Characteristics (1.5A Pulse at Various Temperature)



Information is for reference only and is not intended to make or imply any guarantee or warranty. Information is based on new battery. Battery performance varies with time, discharge and storage condition. Battery has 1 year limited guarantee against manufacturing defects. Other problem caused by misuse, mishandling of cell, or malfunction of equipment, is not under the warranty.

Model : CR123A-1L2
Version : 3.41

WELL LINK
INDUSTRIAL LIMITED

C427R42

LITHIUM MANGANESE DIOXIDE BATTERY

PROPER USE AND HANDLING

This page is not intended to provide all the information that you will need to know to safely use the battery. Customer should employ appropriate cautions in order to obtain optimum performance and safety.

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|---------------------|---|
| Handling and Safety | : Do not mix new and used batteries
Do not mix batteries of different sizes, brands and types.
Do not recharge the batteries
Do not reverse the polarity
Do not over-discharge the battery
Do not heat, incinerate or solder on the battery
Do not puncture, crush or dismantle the battery
Do not expose content to water
Keep battery away from children
Do not short circuit the battery. Control measures should be implemented throughout the workplace.
Batteries should be stored in original packaging or by similar means before installation or after removal.
Batteries should be handled by trained workers.
Avoid dropping of the battery. Dropped battery should be treated as a potential hot cell and must be segregated from the batch.
All inspection tools should be non-conductive.
Batteries should be inspected for physical damage. After checked, they should be returned to their storage packaging. |
| Storage | : Store batteries in a cool, dry and well-ventilated area. Storage temperature should be within the specified range in the specification
Keep away from moisture, heat sources and open flames.
Keep batteries in original packaging.
Do not apply pressure that may deform the battery.
Appropriate fire extinguishing means and personal protective equipment should be available. |
| Installation | : Install only new batteries with the same size, type and date code.
Make sure the polarities is correct in installation.
Make sure the batteries is in physically good conditions |
| Disposal | : Dispose the batteries in accordance with local regulations
Secure terminals to prevent short-circuiting
Cut open the circuit for parallel connections
Package each battery in a manner that prevents shorting with the container or with other batteries
Package leaking batteries in a manner that contains the leak and use appropriate handling equipments such as gloves, safety glasses, respirator, sealable plastic bags. |

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