

Primary Lithium Battery Li-MnO₂

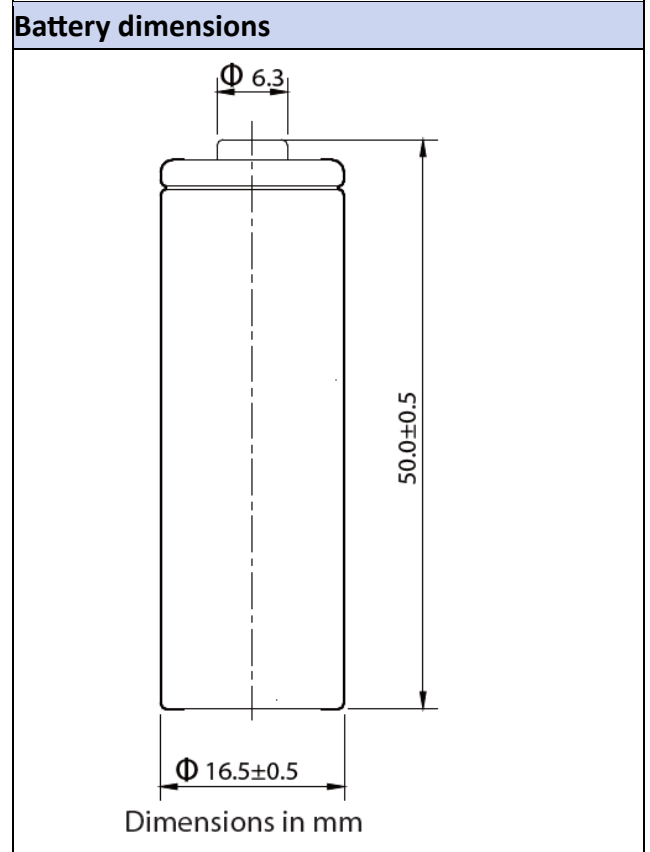
Primary characteristics		
Parameter	Value	Unit
Nominal voltage	3.0	V
Rated capacity	2800	mAh

Scope

The purpose of this product specification is to provide technical information for the lithium Li-MnO₂ battery CR17505.

The test shall be conducted in strict accordance with the method specified in this specification.

If you have any objection to the test items or test methods, please contact Akyga battery.



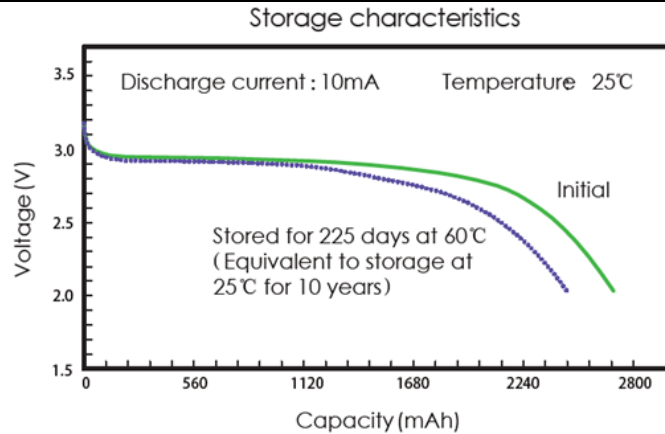
Specification table

Parameter	Value	Unit
Battery model	CR17505	
Nominal voltage	3.0	V
Nominal capacity	2800	mAh
Max constant current	1500	mA
Max pulse current	3000	mA
Operating temperature	-40/+70	°C
Average weight	28	g
Connector	JST SH 2 pins	
Wire length	150	mm

Notes:

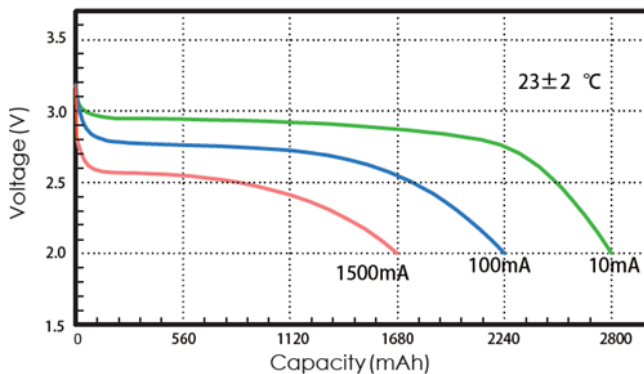
At +25°C, battery discharged at continuous current 10mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.

Storage characteristics



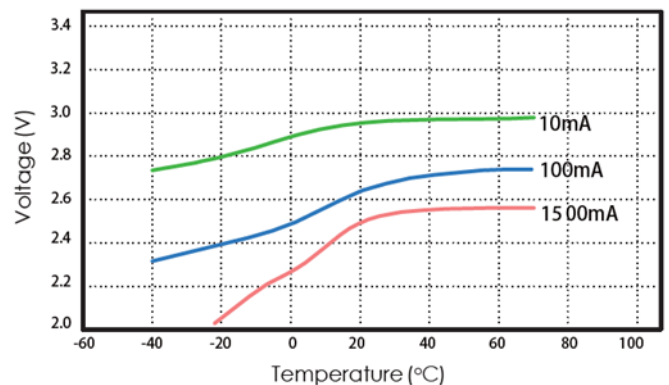
Discharge characteristic

Typical discharge profiles at 25°C (at mid-discharge)



Voltage vs temperature

Voltage plateau versus Current and Temperature (at discharge stable phase)



Warning

- Don't place the battery in heater, washer or high-pressure container.
- Don't use the battery together with different kind of battery.
- Stop using when the battery become heat, emit or appear other abnormality during use or storing.
- Don't recharge the battery.
- Don't force-discharge the battery.
- Keep away from the battery when the battery is leakage or emit abnormal smell
- Was yourself quickly when the electrolyte infiltrate to your skin or clothes
- Wash your eyes by clean water quickly and go to hospital for further check if the electrolyte infiltrate to your eyes
- If two or more batteries are to be connected in a series and/or placed in a parallel arrangement, protective circuit must be connected with batteries, so that to avoid force-discharging or recharging.

Storage

- The batteries should be stored at $\leq +30^{\circ}\text{C}$ and $\leq 75\% \text{RH}$
- The batteries should not be stored next to heat sources or in direct sunlight. The storage area should be clean, cool, dry, ventilated and weatherproof.

- The height to which batteries may be stacked is clearly dependent on the strength of the packing. As a general rule, this height should not exceed 1.5m for cardboard packages nor 3m for wooden cases.
- Store and display batteries in their original package. The batteries may be short-circuited or damaged if been unpacked and stacked messily.
- Long Shelf Life (less than 1% per year after 1 year of storage at 25°C)

Declaration

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