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TENERGY Primary Lithium Battery ER14505

Product Name:	Tenergy Lithium Primary Battery
Product Number:	30304
Battery Model:	ER14505
Battery Chemistry:	Lithium-Thionyl Chloride
Dimension:	Max Diameter (ϕ): 14.5mm
	Max Height (H): 51.0mm



Primary lithium batteries ER14505 AA 3.6V 2.4Ah

3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy type
AA-size bobbin cell

For **low drain / long term operating**
applications requesting superior
voltage response in -55°C~+85°C
environments.

Cell size references

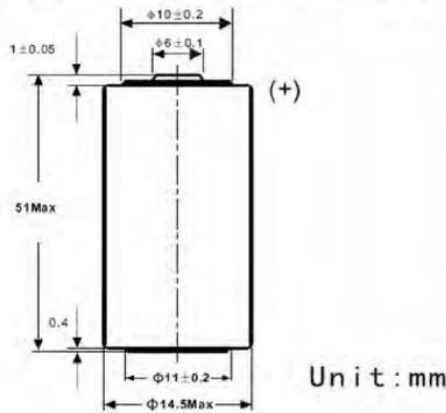
UM3 - R6 -AA

Alternative models LS14500/LST14500/LS14500C/TL-4903/SB-AA11

Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.)	
Nominal capacity (at 1 mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	2.4Ah
Open circuit voltage (at +20°C)	3.66V
Nominal voltage (at 1mA +20°C)	3.6V
Pulse capability : Typically up to 200 mA (200 mA/0.1 second pulses drained every 2 mn at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult Tenergy	
Max. Continuous current	100mA
Max. Pulse current	200mA
Storage (recommended) (for more severe conditions, consult Tenergy)	+30°C (+86°F) max
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Tenergy)	-55°C / +85°C (-76°F / +185°F)
Physical characteristics	
Diameter (max)	14.5mm(0.55 in)
Height (max)	50.5mm(2 in)
Typical weight	19g(0.622oz)
Available termination suffix	radial tabs, radial pins, axial leads, flying leads



ER14505 AA 3.6V 2.4Ah



Key features

- High and stable operating voltage
- Superior drain capability
- Low self-discharge rate (less than 1% after 1 year of storage at +20°C)
- Optional stainless steel container for low magnetic and nickel plated steel container for more safe design
- Hermetic glass-to-metal sealing
- Notch technology for safety vent is recommended
- Non-flammable electrolyte

Main applications

- Radiocommunication and other military applications
- Alarms and security systems
- Beacons and emergency location transmitters
- GPS
- Metering systems
- Sonobuoys
- LED lighting applications
- Others

Storage

- The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

- Do not use if the battery casing was mangled.
- Please discharge the battery few minutes with 100mA if the battery voltage is lower than your need or consult Tenergy
- Don't use different models of battery in series.
- Soldering the tag should be finished in few seconds.
- Do not try to recharge.

■ Characteristic curves

