

Primary lithium batteries

ER34615 D 3.6V 19Ah

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

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

Cell size references

UM1 - R20 - D

Alternative models

LS33600/LS33600C/TL-4930/TL-2300/TL-5930/SB-D01/SB-D02/SL-71

Electrical characteristics

(typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity 19Ah
(at 3 mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).

Open circuit voltage (at +20°C) 3.66V

Nominal voltage (at 3mA +20°C) 3.6V

Pulse capability: Typically up to 400 mA (400 mA/0.1 second pulses drained every 2 mn at +20°C from undischarged cells with 10 μA 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.

Max. Continuous current 200mA
Max. Pulse current 400mA

Storage (recommended) +30°C (+86°F) max
(for more severe conditions, consult AA Portable Power Corp)

Operating temperature range -55°C / +85°C
(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses) (-76 F / +185 F)

Physical characteristics

Diameter (max) 34.2mm(1.34 in)

Height (max) 61.5mm(2.44 in)

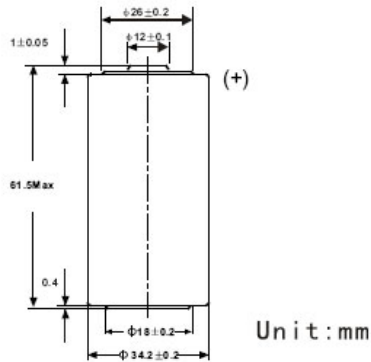
Typical weight 106g(3)

Web: <http://www.batteryspace.com>

Email: tech@batteryspace.com Tel: 510-525-2328(Mon-Friday 9AM-5PM PST)

Fax: 510-525-4728

ER34615 D 3.6V 19Ah



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
- 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

