

SHENZHEN M&LAK INDUSTRY CO.,LTD.

High Power Spiral D Cell

Primary Lithium Battery

ER34615M 3.6V 14.5Ah

3.6V Primary lithium-thionyl chloride (Li-SOCl2) Power Type

For higher drain/pulse operating applications requesting superior voltage response in -55°C \sim + 85°C environments

Cell size references	<u>UM1-R20-D</u>
Alternative models	LST33600
Electrical characteristics (Typical values relative to cells stored for one year or less at +30°C max.) Nominal capacity (At 5mA +20°C,2.0V cut off.The capacity restored varies according to current,temperate	14.5Ah ure,cut off)
Open circuit voltage(At 20°C)	3.66V
Nominal voltage (At 5mA +20°C)	3.6 V
Max. continuous current (at +20°C)	2000mA
Typical Max. continuous current (at +20°C)	3000mA
Pulse capability:Typically up to 3000mA (3000mA/0.1second pulses draind every 2min cells with 100µA base current, yield voltage readings above 3.0V.The readings may var pulse characterics, temperature and cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions.Consult ACT if necessary)	at 20°C from y according to
Storage (recommended)	+30 C(+00 F)Max
Operating temperature range (High and low temperatur will lower the capacity and load voltage.)	-55°C~+85°C -76°F~+185°F
Physical characteristics	
Diameter(Max)	34mm(1.34in)
Height(Max)	61.5mm(2.42in)
Available terminal suffix radial tabs, radial pins, axial le	eads,flying leads

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Key features

>High and stable load voltage >Superior drain capacity >Low self-discharge rate

- (less than 1% after 1 year of storage at 20°C)
- >Stainless steel container >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
- equipment
- >Metering systems
- >Sonobouys
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean &dry(less than 30% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge





