

For extreme temperature applications

TLP-93211/HT



TADIRAN BATTERIES

D Size Primary Li-SOCl₂ Lithium Battery TL-3930HT with HLC-1530HT

Notice: The application load profile has to be approved by Tadiran.



Electrical Characteristics (batteries stored at up to 1 year at +30°C max)

Rated voltage	3.6 V
Nominal capacity at 100 mA, 150°C, to 2 V	16 Ah
Maximum recommended continuous current	200 mA
Maximum 1 sec. pulse capability	3 A
Maximum pulse length, 500 mA to 2.7 V	400 sec

Operating conditions

Operating temperature range*	-20 to +150 °C
Storage temperature range (optimal)	+35°C max.
(possible)	-55°C to +150°C

Physical Characteristics

Length	77 mm. max
Diameter	35 mm. max
Weight	125 gr. max

Safety Considerations

The component cells, TL-3930HT and HLC-1530HT, have independently passed the UN transportation tests in accordance with UN Manual of Tests and Criteria, ensuring compliance for safe transport.

Warning

Fire, Explosion, And Severe Burn Hazard.

Do not recharge, crush, disassemble, heat above 150°C, short circuit, incinerate or expose contents to water.



Key Features

- Primary Cell with High Energy Bobbin Construction
- High power
- Hermetically sealed (glass-to-metal)
- Wide operating temperature range
- Low self discharge
- Long storage life
- Primary Cell with Stainless steel envelope
- High reliability
- Lightweight
- Safe design

Main Applications

- Oil and Gas drilling
- Oil and Gas well monitoring
- Measuring while drilling (MWD)
- Logging while drilling (LWD)
- Sterilizable medical devices
- High-temperature manufacturing
- High-Temperature Aerospace
- Defense and Military Systems
- Geothermal Energy Systems

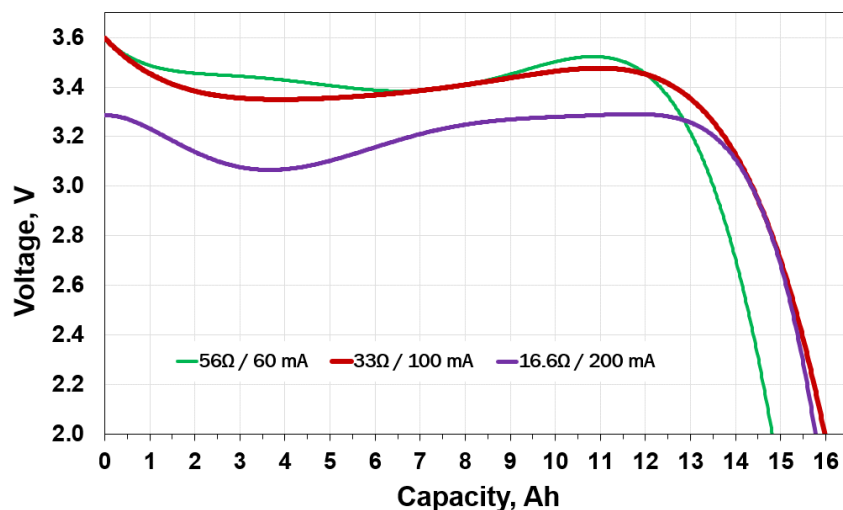
Ordering P/N:

TLP-93211/HT

61-93211-XXXX

www.tadiranbatteries.com

Typical discharge profile at 150°C under various rates

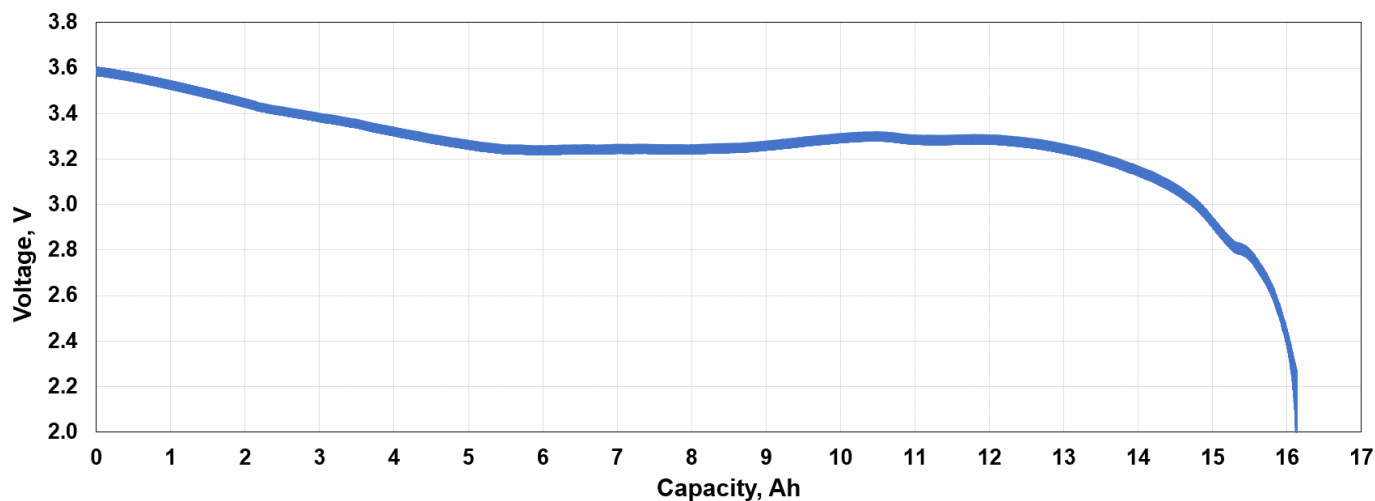


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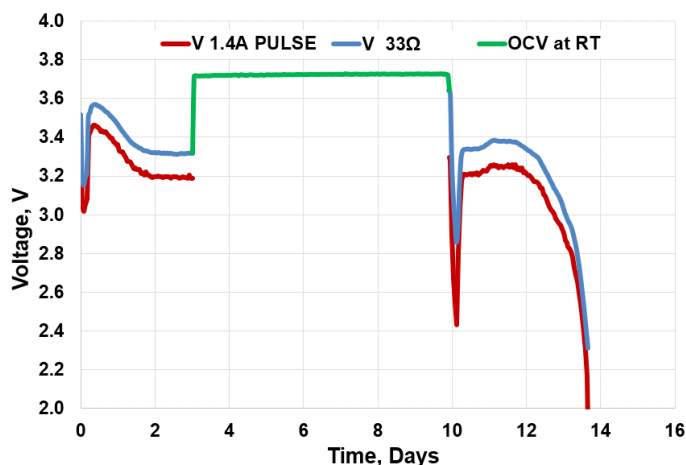


Performance Data

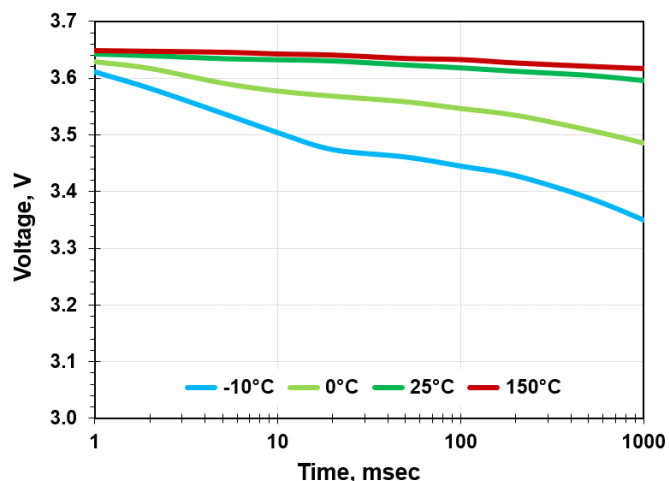
Typical discharge 100mA and 300mA / 5 sec pulses every minute



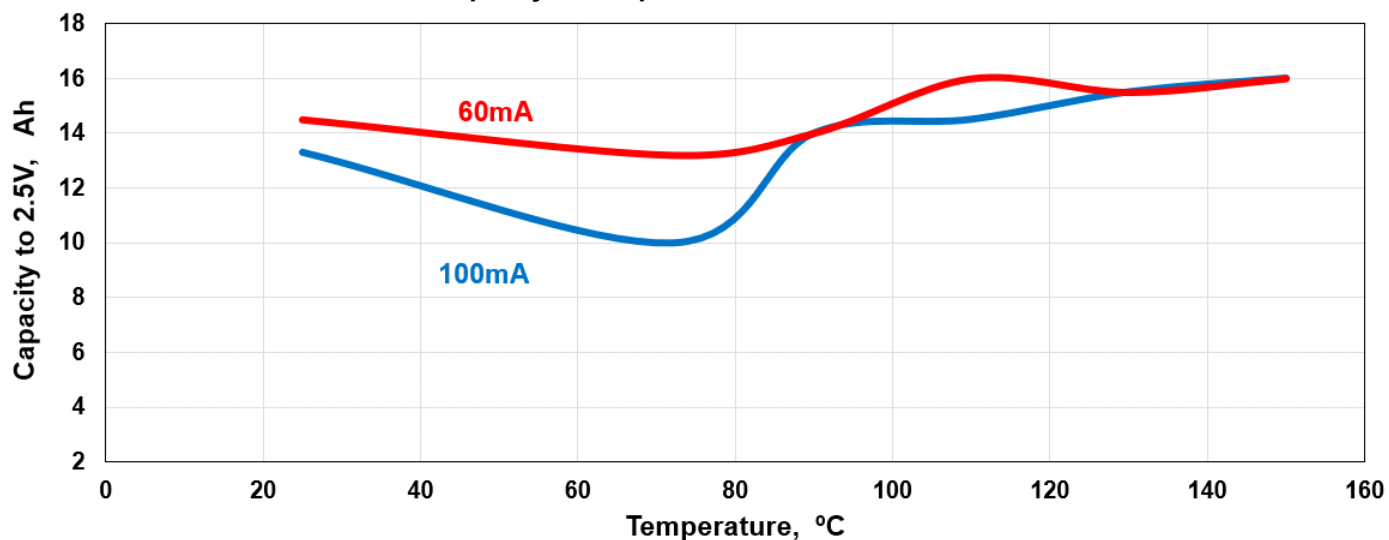
Discharge at 33Ω 100mA (150°C) & 1.4A@1s (once an hour) pulse



Voltage curves at Li/SOCl₂ potential (3.67V), 1.4 A



Capacity vs temperature at various currents



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