

High Power Primary Li Metal Oxide Cell

Electrical characteristics

Open circuit voltage Closed circuit voltage (at 0.1 sec on 0.25 A load) Discharge capacity under (at RT to 2.8 V) Discharge capacity under 2 (at RT to 2.8 V)	225 mA	4.02 to 4.07 V 3.95 V min. 450 mAh 370 mAh	
(For batteries stored at RT	-	S)	
Mechanical characteristic	CS	07.4 . 0/4	_ L]
Length (without PTC) Diameter Weight Operating conditions		27.4 +0/-1 mm 14.8 ± 0.3 mm 12 g max.	 Technology ☑ Anode: Carbon based ☑ Cathode: Multi metal oxides ☑ Electrolyte: Organic
Maximum discharge currer	nt.		Shut down separator
Continuous to 2.5 V Pulse, 1 sec, to 2.6 V Operating temperature range Storage temperature range Cell impedance at RT		2.5 A 7 A -40 °C ÷ +85 °C -55 °C ÷ +85 °C < 160 mΩ at 1 kHz	 Key Features ➢ High power 4 V cell ➢ Hermetically sealed (glass-to-metal) ➢ Wide operating temperature range ➢ Low self discharge
Accumulated capacity		Storage Temperature	🗵 Long storage life
loss (when tested at RT @ 10 mA to 2.8 V)	Storage Time (years) 1 5 10 15 20	22 °C 55 °C 72 °C 85 °C 5 % 7 % 15 % N/A 7 % 25 % 40 % N/A 10 % 35 % N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	 High homogeneity End of Life indication capability High reliability Lightweight Safe design Assembled in custom packs (per request)
Environmental	Cor	npliance with specification	Main Applications
Vibration Shock Temperature Cycles Altitude Acceleration Spinning		UN, UL UN, UL UN, UL UN, UL TBD TBD	 Ordnance fuzing power source Navigation systems Missile systems Telemetry Emergency systems Electronic warfare systems
Safety		Tested according to:	Ordering Part No. ☑ TLM-1530HE/Z2/T* 72152822200
Short circuit at RT and at +55 °C Oven at +130 °C Over-charge (200 % at currents up to 0.5 A) Over-discharge (200 % at currents up to 1 A) Impact UN Manual of Tests and Criteria, UL 1642, IEC 60086		UL, UN, IEC UL, IEC UL, UN, IEC UL, UN, IEC UL, IEC	 ➢ TLM-1530HE/Z2/TP* 72152832200 ➢ TLM-1530HE/Z2/PT2* 72152835200 *Z2 indicates cells with a re-settable fuse (PTC) ✓ Tadiran Batteries Ltd. 34 Yitzhak Rabin Boulevard Kiryat Ekron 76950, Israel Tel: +972 (8) 944-4555
WARNING			Fax: +972 (8) 941-3079

www.tadiranbatteries.com

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CERTIFIED

WARNING:

Fire, Explosion, And Severe Burn Hazard.

Above 100°C, Incinerate Or Short Circuit.

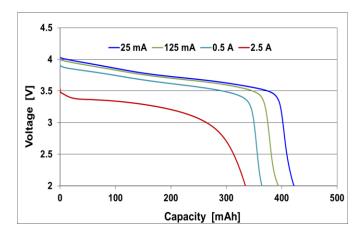
Do Not Recharge, Crush, Disassemble, Heat

TLM-1530HE

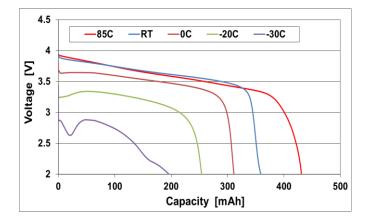


Performance data

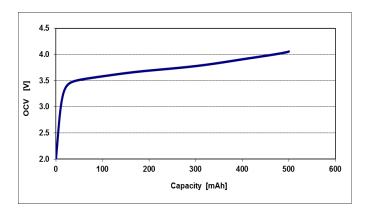
Discharge capability at RT



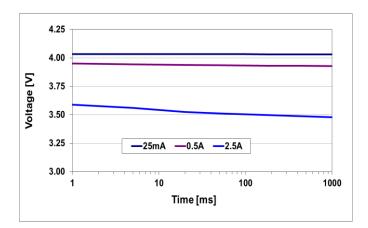
Discharge capability of 0.5 A at several temperatures



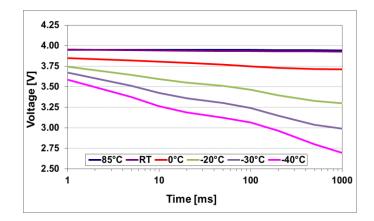
Capacity vs. OCV



Pulse capability at RT



Pulse capability of 0.5 A at several temperatures



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