



You Power The Life  
[www.elerix.com](http://www.elerix.com)

Technical specification

# ELERIX EX-T30K

Extreme Power  
LTO Cell

LTO  
Lithium Titanate  
Oxide Cell

VDA 173/100

**2.4V / 30Ah / 6C**

EX-T30K



- ▶ Extreme Power Cell - up to 6C - 180A Discharge
- ▶ Lithium Titanate - LTO Chemistry
- ▶ Extremely Long Cycle and Calendar Life (10000+ cycles / 30 years)
- ▶ Extreme Temperature Range and Performance - Total Sub-Zero
- ▶ The highest quality and the highest safety. No toxic chemicals.

# ELERIX EX-T30K

LTO, Lithium Titanate Oxide Cell  
2.4V / 30Ah / 6C



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-T30K			
Nominal Voltage (V)	2.3			
Nominal Capacity (Ah)	30	Charge @0.5C, Discharge @0.5C negative tolerance -5%		
Nominal Energy (Wh)	69			
Form Factor	VDA 173/100 Size			
Terminal type	Block Terminal with M6/M8 Hole			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	173		
	Height	97	Without terminals	
	Thick	28		
Cell Volume (dm <sup>3</sup> - L)	0.47			
Nominal Weigth (kg)	1.02	Average value		
Energy Density	Gravity (Wh/kg)	68		
	Volume (Wh/L)	147		
Internal Resistance mOhm (Max)	1.0			
Voltage	Minimal (V)	1.5		
	Maximal (V)	2.9		
Current	Charge	Standard (A)	30	
		Max. Cont. (A)	180	
	Discharge	Standard (A)	30	
		Max. Cont. (A)	180	continued, temp ≤ 60°C
		Peak (A)	300	≤ 10 sec, temp ≤ 60°C
Cycle Life at 80% DOD	16000	@1C/1C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	30 years	Avarage material aging estimation		
Operating Temperature	Charge (°C)	-40 ≈ +60 °C		
	Discharge (°C)	-40 ≈ +60 °C		
	Storage (°C)	-40 ≈ +60 °C		

## KEY SAFETY FEATURES

Items	Specification
Fire	Fully Fire-safe. No Explosion.
Overcharge	No Explosion. No Fire. No Smoke.
Short-circuit	No Explosion. No Fire. No Smoke.
Penetration	No Fire. No Toxic Gases.
Crush	No Fire. No Toxic Gases.
Overheating	Stable up to +200°C. No Fire.
Non-toxic	No Cobalt, No Lead-Acid.
Recycling	+90% Recyclable.

Are you interested in more details?  
Visit our online presentation.

[PRODUCT WEBPAGE >](#)