



You Power The Life
www.elerix.com

Technical specification

ELERIX EX-T155

Extreme Power LTO Cell

LTO
Lithium Titanate
Oxide Cell

130 / 205

2.4V / 155Ah / 3C

EX-T155



- ▶ Extreme Power Cell - up to 3C - 500A Discharge
- ▶ Lithium Titanate - LTO Chemistry
- ▶ Extremely Long Cycle and Calendar Life (16000+ cycles / 30 years)
- ▶ Extreme Temperature Range and Performance - Total Sub-Zero
- ▶ The highest quality and the highest safety. No toxic chemicals.
- ▶ Large size M10 terminals

ELERIX EX-T155

LiFePO₄, Lithium Iron Cell

2.4V / 155Ah / 3C



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	ELERIX EX-T155			
Nominal Voltage (V)	2.3			
Nominal Capacity (Ah)	155	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	357			
Form Factor	130 / 205			
Terminal type	Block Terminal with M10 Hole	Max Torque 10 N/m		
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	130		
	Height	205	Without terminals	
	Thick	72		
Cell Volume (dm ³ - L)	1.92			
Nominal Weigth (kg)	4.15	Average value		
Energy Density	Gravity (Wh/kg)	86		
	Volume (Wh/L)	186		
Internal Resistance mOhm (Max)	0.5			
Voltage	Minimal (V)	1.5		
	Maximal (V)	2.9		
Current	Charge	Standard (A)	155	
		Max. Cont. (A)	500	
	Discharge	Standard (A)	155	
		Max. Cont. (A)	500	continued, temp ≤ 50°C
		Peak (A)	750	≤ 10 sec, temp ≤ 50°C
ESS Cycle Life (60% DOD)	30000	@0.5C/0.5C, @25°C, >60% SOH		
Cycle Life (80% DOD)	16000	@1C/1C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	30 years	Avarage material aging estimation		
Operating Temperature	Charge (°C)	-40 ≈ +50 °C	Recommended temperature: +25°C Maximal temperature for permanent operation: +45°C	
	Discharge (°C)	-40 ≈ +50 °C		
	Storage (°C)	-20 ≈ +50 °C		

KEY SAFETY FEATURES

Items	Specification
Fire	No Self-ignition, No Explosion.
Overcharge	No Explosion. No Fire.
Short-circuit	No Explosion. No Fire.
Penetration	Smoke only. No Fire.
Crush	Smoke only. No Fire.
Overheating	Stable up to +130°C. No fire.
Non-toxic	No Cobalt, No Lead-Acid.
Recycling	+90% Recyclable.

Rev. 10/2024

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



ELERIX.com >