



You Power The Life
www.elerix.com

Technical specification

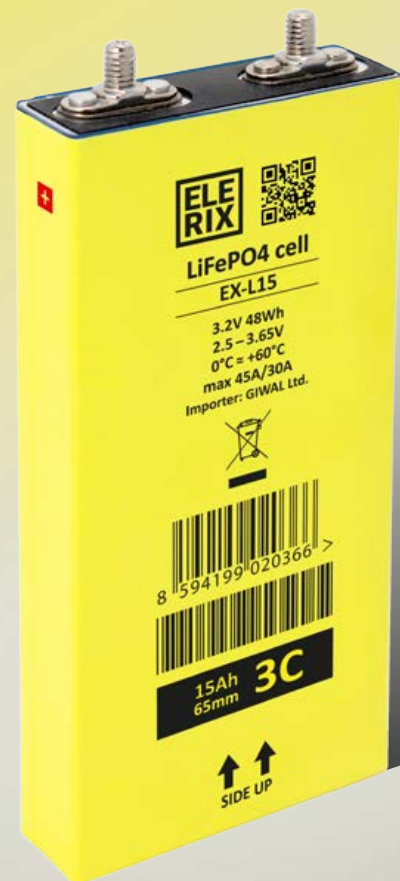
ELERIX EX-L15

High Energy
Density Storage
LFP Cell

LiFePO₄
Lithium Iron Cell

3.2V / 15Ah / 3C

EX-L15



- ▶ High Energy Density Cell - 3C - 45A Discharge
- ▶ Lithium Iron Phosphate - LiFePO₄ Chemistry
- ▶ Long Cycle and Calendar Life (3000 cycles / 15 years)
- ▶ Only Plus Temperature Range, No-Frost
- ▶ Superior quality and safety. No toxic chemicals

ELERIX EX-L15

LiFePO₄, Lithium Iron Cell
3.2V / 15Ah / 1C



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L15			
Nominal Voltage (V)	3.2			
Nominal Capacity (Ah)	15	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	48			
Form Factor				
Terminal type	Screw M6 Hole			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	65		
	Height	138	Without terminals	
	Thick	20		
Cell Volume (dm ³ - L)	0.18			
Nominal Weigth (kg)	0.365	Average value		
Energy Density	Gravity (Wh/kg)	132		
	Volume (Wh/L)	268		
Internal Resistance mOhm (Max)	6			
Voltage	Minimal (V)	2.5		
	Maximal (V)	3.75		
Current	Charge	Standard (A)	15	
		Max. Cont. (A)	30	
	Discharge	Standard (A)	15	
		Max. Cont. (A)	45	Continued, temp ≤ 50°C
		Peak (A)	75	≤ 30 sec, temp ≤ 50°C
Cycle Life at 80% DOD	3000	@0.3C/1C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	15 years	Average material aging estimation		
Operating Temperature	Charge (°C)	2 ~ +50°C		
	Discharge (°C)	-20 ~ +60°C		
	Storage (°C)	-20 ~ +45°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.

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

[PRODUCT WEBPAGE >](#)