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Technical specification

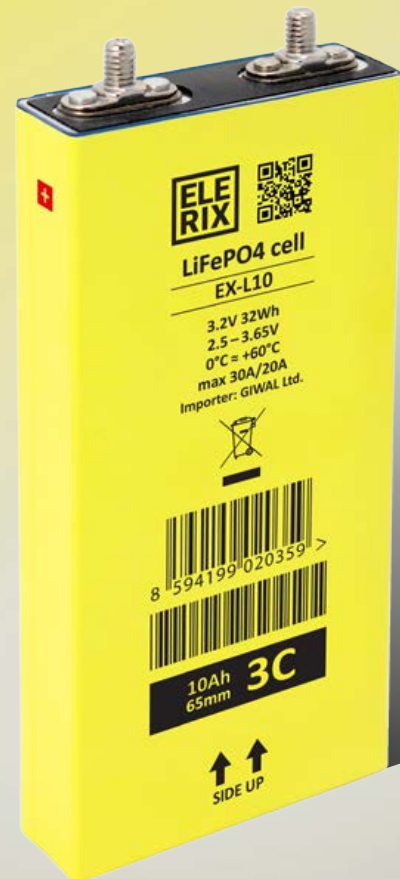
# ELERIX EX-L10

High Energy  
Density Storage  
LFP Cell

LiFePo4  
Lithium Iron Cell

**3.2V / 10Ah / 3C**

EX-L10



- ▶ High Energy Density Cell - 3C - 30A 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-L10

LiFePO<sub>4</sub>, Lithium Iron Cell  
3.2V / 10Ah / 1C



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L10			
Nominal Voltage (V)	3.2			
Nominal Capacity (Ah)	10	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	32			
Form Factor				
Terminal type	Screw M6 Hole			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	65		
	Height	138	Without terminals	
	Thick	15		
Cell Volume (dm <sup>3</sup> - L)	0.13			
Nominal Weigth (kg)	0.28	Average value		
Energy Density	Gravity (Wh/kg)	114		
	Volume (Wh/L)	238		
Internal Resistance mOhm (Max)	6			
Voltage	Minimal (V)	2.5		
	Maximal (V)	3.75		
Current	Charge	Standard (A)	10	
		Max. Cont. (A)	20	
	Discharge	Standard (A)	10	
		Max. Cont. (A)	30	Continued, temp ≤ 50°C
		Peak (A)	50	≤ 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)	1 ≈ +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.

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