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Technical specification

# ELERIX EX-L70K

High Power  
Energy Storage  
LFP Cell

LiFePo4  
**Lithium Iron Cell**  
VDA 173/100

**3.2V / 70Ah / 1.5C**

EX-L70K



- ▶ High Power & Energy Cell - 1.5C - 105A 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-L70K

LiFePo4, Lithium Iron Cell  
3.2V / 70Ah / 1.5C



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L70K			
Nominal Voltage (V)	3.2			
Nominal Capacity (Ah)	70 (± 10%)	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	224			
Form Factor	VDA 173/100 Size			
Terminal type	Block Terminal with M8 Hole			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	173		
	Height	97	Without terminals	
	Thick	40		
Cell Volume (dm <sup>3</sup> - L)	0.67			
Nominal Weigth (kg)	1.44	Average value		
Energy Density	Gravity (Wh/kg)	156		
	Volume (Wh/L)	334		
Internal Resistance mOhm (Max)	0.8			
Voltage	Minimal (V)	2.5		
	Maximal (V)	3.65		
Current	Charge	Standard (A)	70	
		Max. Cont. (A)	105	
	Discharge	Standard (A)	70	
		Max. Cont. (A)	105	continued, temp ≤ 50°C
		Peak (A)	140	≤ 30 sec, temp ≤ 50°C
Cycle Life at 80% DOD	3000	@0.3C/1C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	15 years	Avarage material aging estimation		
Operating Temperature	Charge (°C)	0 ≈ +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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